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## ***1992-1998***

### ***By Industry and Occupation***

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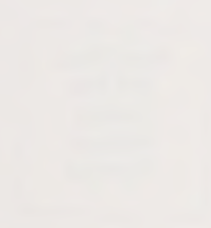
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# **PROJECTIONS OF EMPLOYMENT**

## **By Industry and Occupation**

### **1992-1998**

## **MERCED COUNTY**

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**Central Coast Hub**

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Del Norte  
Glenn  
Lake  
Lassen  
Modoc  
Plumas  
Shasta  
Siskiyou  
Sutter  
Tehama  
Trinity  
Yuba

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Humboldt  
Mendocino  
Napa  
Solano  
Sonoma

## Area 3:

Alpine  
El Dorado  
Nevada  
Placer  
Sacramento  
Sierra  
Yolo

## Area 4:

Amador  
Calaveras  
Mariposa  
Merced  
San Joaquin  
Stanislaus  
Tuolumne

## Area 5:

Fresno  
Kings  
Madera  
Tulare

## Area 6:

Inyo  
Kern  
Mono

## Area 7:

Marin  
San Francisco  
San Mateo

## Area 8:

Alameda  
Contra Costa

## Area 9:

Santa Clara

## Area 10:

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San Luis Obispo  
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Ventura

## Area 13:

Central Los Angeles

## Area 14:

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## Area 15:

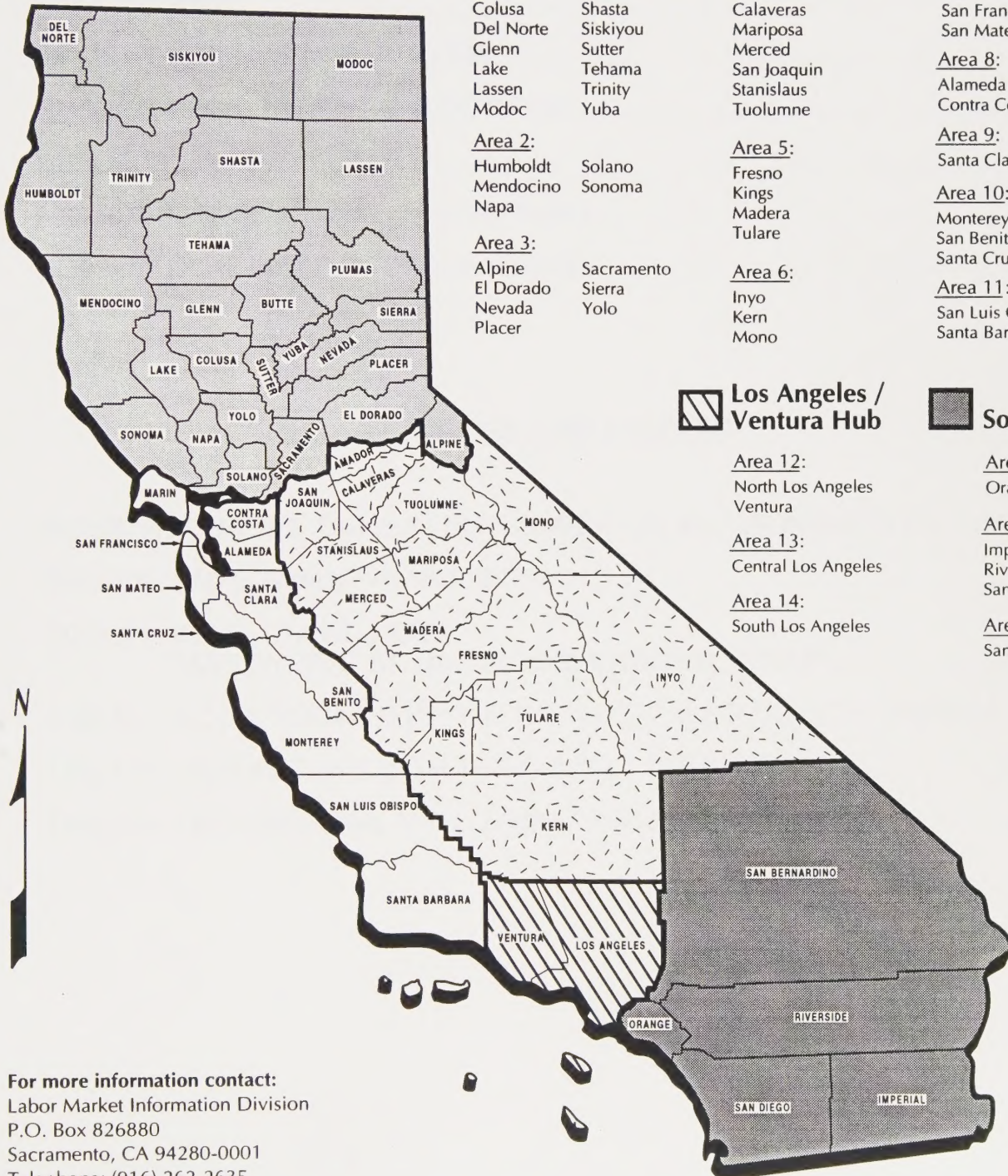
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# INTRODUCTION

As a product of the California Cooperative Occupational Information System (CCOIS), formerly known as the State/Local Cooperative Labor Market Information (LMI) Program, this PROJECTIONS report is for the use of a variety of individuals and organizations interested in the labor market. Combined with other data, the projections presented here can help students, jobseekers, and counselors identify promising career and employment directions; they can help vocational education and training planners decide which programs to initiate, expand, decrease or eliminate; and they can help private sector economic development planners and private industry decision makers plan for the future. In addition to this report, the CCOIS will provide one or more reports and analyses of specific occupations which have been surveyed locally for employer information about the availability of trained workers, recruitment practices, qualifications needed, earnings and hours, advancement patterns, and outlook. These reports will be available through the Merced County Office of Economic & Strategic Development. For more information contact them at (209) 725-3893.

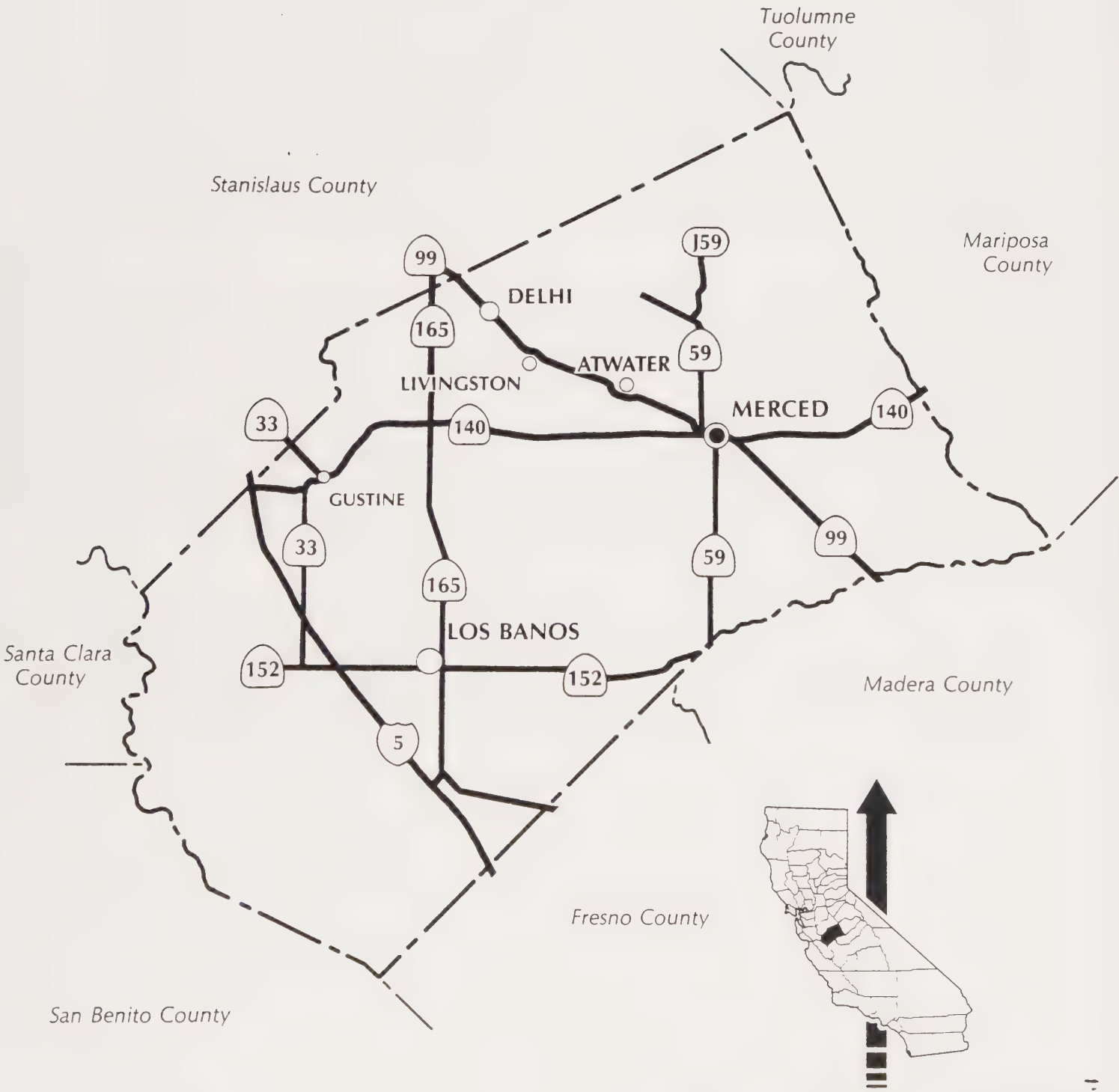
These projections show the expected change in the number of jobs in an area both by industry (where the jobs are located within the economy) and by occupation (what the jobs are) over a six-year period. The report addresses industry and occupational changes separately, with each section covering projections for the same time period.

This report is divided into several sections. It begins with an area profile and is followed by a detailed discussion of trends for major industry divisions and occupational groups, and includes tables which show detailed industry and occupational employment projections. A discussion of the data sources and underlying economic assumptions follows this. Finally, an alphabetical index of the occupational categories used in this report is presented.

The projections contained in this report were developed using an Occupational Employment Statistics (OES) survey-based industry-occupational matrix system. The report includes wage and salary employment, but does not include self-employment or agricultural employment, with the exception of selected agricultural services. For a more detailed description of the methods and data sources used in this report, see the Methods and Economic Assumptions section.



# MERCED COUNTY



## **AREA PROFILE**

### **MERCED COUNTY**

Merced County is located in the center of the San Joaquin Valley and has an area of approximately 2,000 square miles. It is 100 miles southwest of San Francisco and 275 miles northwest of Los Angeles.

Sixty percent of the terrain is an alluvial plain, through which flow the Chowchilla, the San Joaquin, and the Merced rivers. Merced's climate is typical of the San Joaquin Valley, with a short rainy season from about December to April and a long dry season. It has an annual average rainfall of 12 inches. Temperatures average 80 degrees in the summer and around 60 degrees in the winter.

The economy is basically agricultural, with over 90 crops being grown in commercial quantities. Milk and milk products are the largest contributors, followed by chickens and cattle. Other leading commodities are cotton, almonds, sweet potatoes, and alfalfa. The economy is also balanced by light industry, much of it geared to agriculturally related products.

The area has passenger services such as trains and buses to all major cities in the State. Air passenger service is also available to San Francisco and Los Angeles.

Recreational resources abound in the area. Campsites are available at Lake McSwain, Barrett Cove, and Lake McClure. The grasslands area offers some of the greatest hunting in California. Three State parks border the riverbanks, providing fishing and swimming facilities. Just beyond Merced County's boundary lies the famous Yosemite National Park, whose unspoiled beauty is unparalleled.

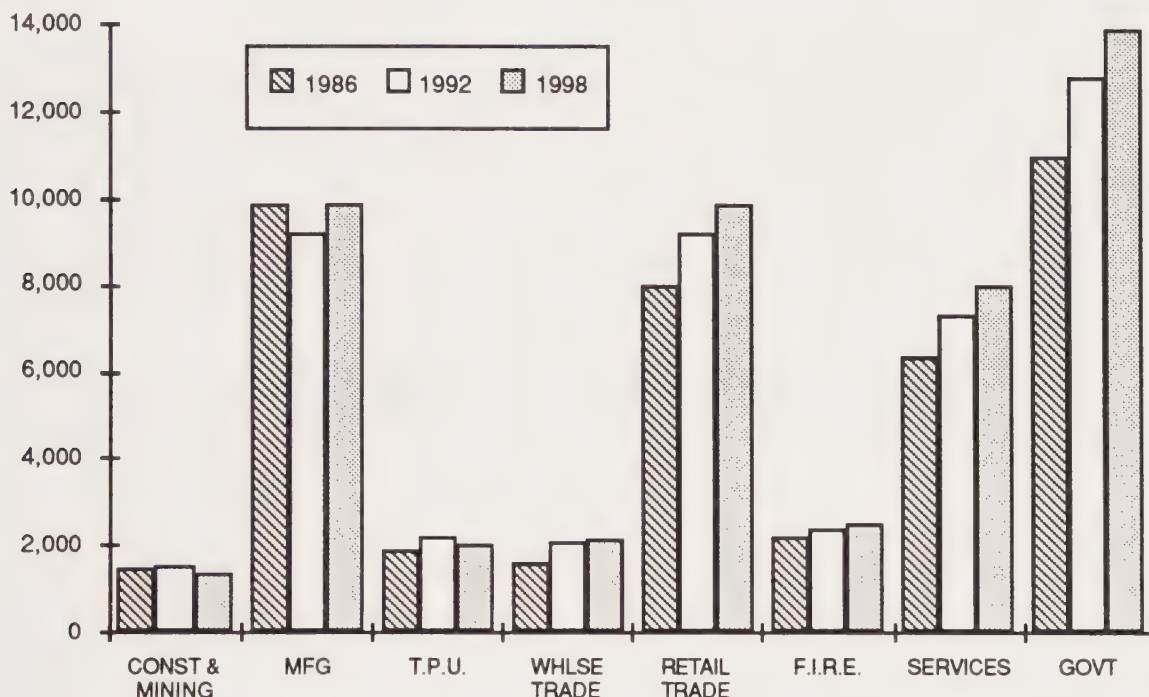




# **INDUSTRY TRENDS**

# **INDUSTRY CHART** **EMPLOYMENT BY MAJOR INDUSTRY** **MERCED COUNTY 1986 - 1992- 1998**

EMPLOYMENT



**TABLE 1**  
**EMPLOYMENT BY MAJOR INDUSTRY<sup>(1)</sup>**  
**MERCED COUNTY 1986 - 1992- 1998**

INDUSTRY TITLE	1986 EMPLOYMENT	% OF TOTAL	1992 EMPLOYMENT	% OF TOTAL	1998 EMPLOYMENT	% OF TOTAL
<b>TOTAL NONAGRICULTURAL</b>	42,350	100.0%	46,750	100.0%	49,550	100.0%
<b>CONSTRUCTION &amp; MINING</b>	1,450	3.4%	1,500	3.2%	1,375	2.8%
<b>MANUFACTURING</b>	9,875	23.3%	9,200	19.7%	9,900	20.0%
<b>TRANSPORTATION &amp; PUBLIC UTILITIES</b>	1,875	4.4%	2,175	4.7%	2,025	4.1%
<b>WHOLESALE TRADE</b>	1,600	3.8%	2,100	4.5%	2,125	4.3%
<b>RETAIL TRADE</b>	8,000	18.9%	9,200	19.7%	9,900	20.0%
<b>FINANCE, INSURANCE &amp; REAL ESTATE</b>	2,175	5.1%	2,375	5.1%	2,525	5.1%
<b>SERVICES</b>	6,375	15.1%	7,350	15.7%	7,975	16.1%
<b>GOVERNMENT<sup>(2)</sup></b>	10,975	25.9%	12,825	27.4%	13,925	28.1%

(1) Preliminary March 1992 Benchmark. Employment is reported by place of work and excludes self-employed persons, unpaid family workers, and those involved in labor-management trade disputes. These data are based on Standard Industrial Classifications. Annual average industry detail may not add up to totals due to independent rounding. Projections data exclude some service workers.

(2) Includes all civilian government employees regardless of the activities in which they are engaged.

## INDUSTRY TRENDS AND OUTLOOK

Employment projections for nonagricultural wage and salary employment in Merced County show a gain of 6.0 percent for the 1992-1998 projection period.

**Construction** employment has traditionally been subject to cyclical fluctuations. The local construction work force declined from a high of 1,700 in 1979, to a low of 1,050 in 1982. In 1992 there were 1,500 jobs in the construction field.

In 1992, the 9,200 **manufacturing** jobs represented 19.7 percent of all nonagricultural employment in Merced County. By 1998 manufacturing employment is expected to increase to 9,900, representing approximately 20 percent of total nonagricultural industry employment.

Between 1992 and 1998, employment within the **transportation and public utilities** industry is expected to contract slightly at a rate of 7.4 percent. Approximately 150 jobs should be lost over the 1992-1998 projection period.

The **trade** sector will increase at a total rate of over seven percent during the projection period. It is expected that 725 new jobs will be added to the payrolls during the projection period.

**Wholesale trade** employment accounted for nearly 3.7 percent of all jobs in 1992. About 25 new jobs are expected in this segment during the projection period.

The **retail trade** segment accounted for nearly about 16.2 percent of all industry jobs in 1992. Approximately 700 jobs are projected to be added to payrolls over the projection period. The largest increase in jobs will be in eating and drinking places, and food stores.

In the **Finance, insurance, and real estate** industry, it is projected that 150 new jobs will be added between 1992 and 1998. Total employment should reach 2,525 by 1998.

The **services** industry is expected to add 625 new jobs over the 1992-1998 projection period. Services should account for about 13.3 percent of jobs in Merced County by 1998.

The **government** industry division is expected to continue in a slow growth pattern, adding 1,100 new jobs through the 1992-1998 projection period. Most of the growth that does occur will be in the field of education.



**TABLE 2**  
**EMPLOYMENT BY INDUSTRY<sup>(1)</sup>**  
 1992 ANNUAL AVERAGE AND 1998 PROJECTED EMPLOYMENT  
**MERCED COUNTY**

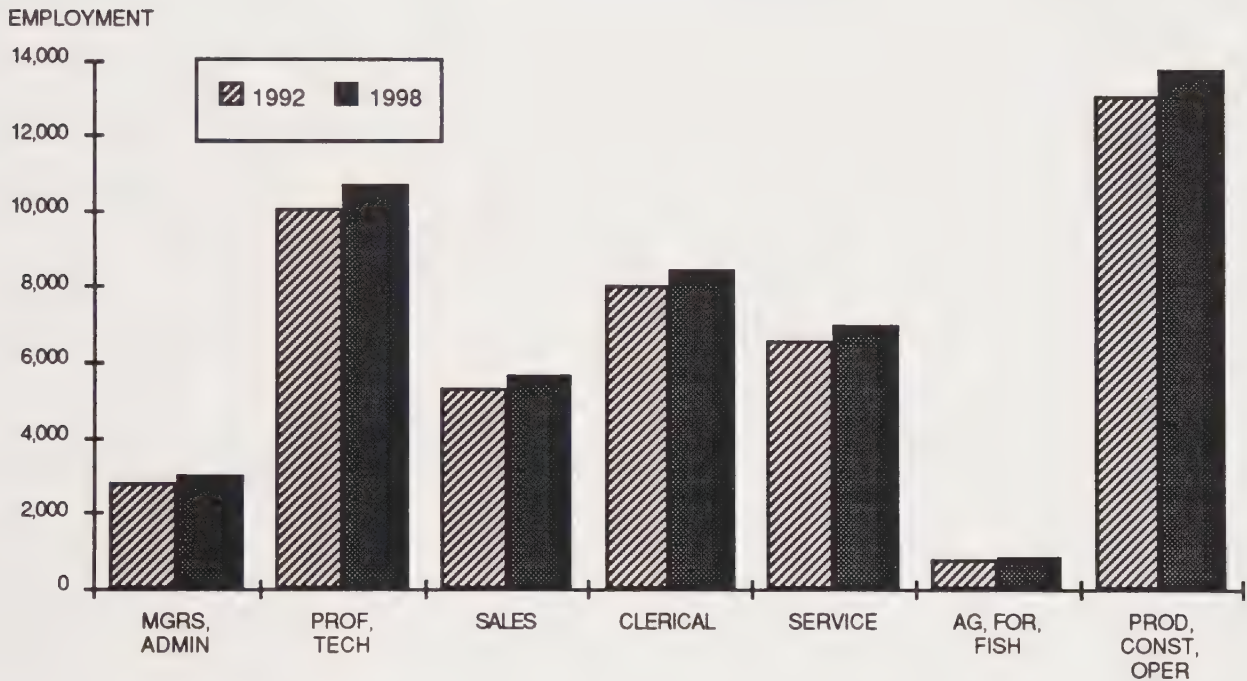
INDUSTRY TITLE	SIC	1992	1998	ABSOLUTE CHANGE	PERCENT CHANGE
<b>TOTAL NONAGRICULTURAL</b>		<b>46,750</b>	<b>49,550</b>	<b>2,800</b>	<b>6.0%</b>
<b>MINING &amp; CONSTRUCTION</b>	<b>10-14, 15-17</b>	<b>1,525</b>	<b>1,375</b>	<b>-150</b>	<b>-9.8%</b>
<b>MANUFACTURING</b>	<b>20-39</b>	<b>9,200</b>	<b>9,900</b>	<b>700</b>	<b>7.6%</b>
<b>TRANSPORTATION &amp; PUBLIC UTILITIES</b>	<b>40-49</b>	<b>2,175</b>	<b>2,025</b>	<b>-150</b>	<b>-6.9%</b>
<b>WHOLESALE TRADE</b>	<b>50-51</b>	<b>2,100</b>	<b>2,125</b>	<b>25</b>	<b>1.19%</b>
<b>RETAIL TRADE</b>	<b>52-59</b>	<b>9,200</b>	<b>9,900</b>	<b>700</b>	<b>7.6%</b>
<b>FINANCE, INSURANCE, &amp; REAL ESTATE</b>	<b>60-67</b>	<b>2,375</b>	<b>2,525</b>	<b>150</b>	<b>6.3%</b>
<b>SERVICES</b>	<b>70-89</b>	<b>7,350</b>	<b>7,975</b>	<b>625</b>	<b>8.50%</b>
<b>GOVERNMENT<sup>(2)</sup></b>		<b>12,825</b>	<b>13,925</b>	<b>1,100</b>	<b>8.5%</b>
FEDERAL		1,275	1,225	-50	-3.9%
STATE, LOCAL & EDUCATION		11550	12700	1,150	9.9%

(1) Preliminary March 1992 Benchmark. Employment is reported by place of work and excludes self-employed persons, unpaid family workers, and those involved in labor-management trade disputes. These data are based on Standard Industrial Classifications. Annual average industry detail may not add up to totals due to independent rounding. Projections data exclude some service workers.

(2) Includes all civilian government employees regardless of the activities in which they are engaged.

# **OCCUPATIONAL TRENDS**

**OCCUPATIONAL CHART  
EMPLOYMENT BY MAJOR OCCUPATIONAL GROUP  
MERCED COUNTY 1992 - 1998**



**TABLE 3  
EMPLOYMENT BY MAJOR OCCUPATIONAL GROUP  
MERCED COUNTY 1992- 1998**

OCCUPATIONAL GROUP	1992 EMPLOYMENT	% OF TOTAL	1998 EMPLOYMENT	% OF TOTAL	ABSOLUTE CHANGE	PERCENT CHANGE
<b>TOTAL, ALL OCCUPATIONS<sup>(1)</sup></b>	46,750	100.0%	49,550	100.0%	2,800	6.0%
<b>MGRS AND ADMINISTRATIVE</b>	2,760	5.9%	2,960	6.0%	200	7.2%
<b>PROFESSIONAL, PARAPROF, TECH</b>	10,060	21.5%	10,700	21.6%	640	6.4%
<b>SALES AND RELATED</b>	5,290	11.3%	5,640	11.4%	350	6.6%
<b>CLERICAL, ADMINISTRATIVE SUPPORT</b>	8,010	17.1%	8,420	17.0%	410	5.1%
<b>SERVICE OCCUPATIONS</b>	6,530	14.0%	6,970	14.1%	440	6.7%
<b>AGRICULTURAL, FORESTRY, FISH</b>	760	1.6%	810	1.6%	50	6.6%
<b>PROD, CONST, OPER, MAT HAND</b>	13,040	27.9%	13,750	27.7%	710	5.4%

(1) TOTAL INCLUDES A SMALL NUMBER OF OCCUPATIONS WHICH WERE NOT CLASSIFIED, AND IS BASED ON THE PRELIMINARY 3/92 BENCHMARKED INDUSTRY TOTAL.



**TABLE 4**  
**OCCUPATIONS WITH THE GREATEST ABSOLUTE JOB GROWTH<sup>(1)</sup>**

**MERCED COUNTY 1992 - 1998**

OCCUPATION	ANNUAL AVERAGE		ABSOLUTE CHANGE	PERCENT CHANGE
	1992	1998		
INSTRUCTIONAL AIDES	2,140	2,300	160	7.5%
SALESPERSONS - RETAIL(NON-VEHICLE)	1,520	1,640	120	7.9%
CASHIERS	1,470	1,570	100	6.8%
TEACHERS--ELEMENTARY SCHOOL	1,110	1,190	80	7.2%
TRUCK DRIVERS, HEAVY	920	1,000	80	8.7%
GENERAL MANAGERS, TOP EXECUTIVES	1,180	1,240	60	5.1%
REGISTERED NURSES	540	600	60	11.1%
GENERAL OFFICE CLERKS	960	1,020	60	6.3%
ASSEMB, FABRICATORS--EX MACH,ELECT	580	640	60	10.3%
WAITERS AND WAITRESSES	720	770	50	6.9%
FOOD PREPARATION WORKERS	610	660	50	8.2%
TEACHERS--SECONDARY SCHOOL	480	520	40	8.3%
SALES REPS, NON-SCIENTIFIC EX RET	500	540	40	8.0%
TYPISTS, INCLUDING WORD PROCESSING	620	660	40	6.5%
TRUCK DRIVERS, LIGHT	530	570	40	7.5%
BUS DRIVERS--SCHOOL	340	380	40	11.8%
LICENSED VOCATIONAL NURSES	250	280	30	12.0%
INSURANCE POLICY PROCESSING CLERKS	320	350	30	9.4%
SECRETARIES, GENERAL	850	880	30	3.5%
RECEPTIONISTS, INFORMATION CLERKS	380	410	30	7.9%
CORRECTION OFFICERS, JAILERS	120	150	30	25.0%
COMBINED FOOD PREP AND SERVICE	290	320	30	10.3%
NURSE AIDES, ORDERLIES, ATTENDANTS	420	450	30	7.1%
GARDENERS, GROUNDSKEEPERS-EX FARM	300	330	30	10.0%
MEAT, POULTRY, FISH CUTTERS--HAND	420	450	30	7.1%
HAND PACKERS AND PACKAGERS	670	700	30	4.5%
FINANCIAL MANAGERS	260	280	20	7.7%
PROPERTY AND REAL ESTATE MANAGERS	90	110	20	22.2%
ACCOUNTANTS AND AUDITORS	230	250	20	8.7%
EMPL INTERVIEWERS--PRIV OR PUB	190	210	20	10.5%
TEACHERS, PRESCHOOL & KINDERGARTEN	240	260	20	8.3%
TEACHERS--SPECIAL EDUCATION	200	220	20	10.0%
VOCATIONAL & EDUCATIONAL COUNSELOR	140	160	20	14.3%
SALES AGENTS, PLACERS--INSURANCE	110	130	20	18.2%
STOCK CLERKS--SALES FLOOR	430	450	20	4.7%
TELLERS	250	270	20	8.0%
WELFARE ELIG WORKERS, INTERVIEWERS	200	220	20	10.0%
COUNTER ATTENDANTS--FOOD	160	180	20	12.5%
COOKS--RESTAURANT	250	270	20	8.0%
COOKS--INSTITUTION OR CAFETERIA	170	190	20	11.8%
COOKS--SPECIALTY FAST FOOD	380	400	20	5.3%
MAIDS AND HOUSEKEEPING CLEANERS	340	360	20	5.9%
JANITORS, CLEANERS--EXCEPT MAIDS	480	500	20	4.2%
FIRST-LINE SUP/MGR-PRODUCTION	280	300	20	7.1%
MAINT REPAIRERS, GENL UTILITY	460	480	20	4.3%
AUTOMOTIVE MECHANICS	330	350	20	6.1%
MACHINISTS	110	130	20	18.2%
WELDERS AND CUTTERS	180	200	20	11.1%
PERS, TRAINING, LABOR-REL MGRS	50	60	10	20.0%
PURCHASING MANAGERS	100	110	10	10.0%
TOTAL OF THESE OCCUPATIONS	23,870	25,710	1,840	7.7%

(1) EXCLUDES NOT ELSEWHERE CLASSIFIED (NEC) CATEGORIES.

**TABLE 5**  
**OCCUPATIONS WITH THE FASTEST JOB GROWTH<sup>(1)</sup>**

**MERCED COUNTY 1992 - 1998**

OCCUPATION	ANNUAL AVERAGE		ABSOLUTE CHANGE	PERCENT CHANGE
	1992	1998		
CORRECTION OFFICERS, JAILERS	120	150	30	25.0%
PROPERTY AND REAL ESTATE MANAGERS	90	110	20	22.2%
SALES AGENTS, PLACERS-INSURANCE	110	130	20	18.2%
MACHINISTS	110	130	20	18.2%
VOCATIONAL & EDUCATIONAL COUNSELOR	140	160	20	14.3%
COUNTER ATTENDANTS-FOOD	160	180	20	12.5%
LICENSED VOCATIONAL NURSES	250	280	30	12.0%
BUS DRIVERS-SCHOOL	340	380	40	11.8%
COOKS-INSTITUTION OR CAFETERIA	170	190	20	11.8%
REGISTERED NURSES	540	600	60	11.1%
WELDERS AND CUTTERS	180	200	20	11.1%
EMPL INTERVIEWERS--PRIV OR PUB	190	210	20	10.5%
ASSEMB, FABRICATORS--EX MACH,ELECT	580	640	60	10.3%
COMBINED FOOD PREP AND SERVICE	290	320	30	10.3%
GARDENERS, GROUNDSKEEPERS-EX FARM	300	330	30	10.0%
TEACHERS--SPECIAL EDUCATION	200	220	20	10.0%
WELFARE ELIG WORKERS, INTERVIEWERS	200	220	20	10.0%
INSURANCE POLICY PROCESSING CLERKS	320	350	30	9.4%
TRUCK DRIVERS, HEAVY	920	1,000	80	8.7%
ACCOUNTANTS AND AUDITORS	230	250	20	8.7%
TEACHERS--SECONDARY SCHOOL	480	520	40	8.3%
TEACHERS, PRESCHOOL & KINDERGARTEN	240	260	20	8.3%
FOOD PREPARATION WORKERS	610	660	50	8.2%
SALES REPS, NON-SCIENTIFIC EX RET	500	540	40	8.0%
TELLERS	250	270	20	8.0%
COOKS--RESTAURANT	250	270	20	8.0%
SALESPERSONS - RETAIL(NON-VEHICLE)	1,520	1,640	120	7.9%
RECEPTIONISTS, INFORMATION CLERKS	380	410	30	7.9%
FINANCIAL MANAGERS	260	280	20	7.7%
TRUCK DRIVERS, LIGHT	530	570	40	7.5%
INSTRUCTIONAL AIDES	2,140	2,300	160	7.5%
TEACHERS--ELEMENTARY SCHOOL	1,110	1,190	80	7.2%
NURSE AIDES, ORDERLIES, ATTENDANTS	420	450	30	7.1%
MEAT, POULTRY, FISH CUTTERS--HAND	420	450	30	7.1%
FIRST-LINE SUP/MGR-PRODUCTION	280	300	20	7.1%
WAITERS AND WAITRESSES	720	770	50	6.9%
CASHIERS	1,470	1,570	100	6.8%
TYPISTS, INCLUDING WORD PROCESSING	620	660	40	6.5%
GENERAL OFFICE CLERKS	960	1,020	60	6.3%
AUTOMOTIVE MECHANICS	330	350	20	6.1%
TOTAL OF THESE OCCUPATIONS	18,930	20,530	1,600	8.5%

(1) EXCLUDES NOT ELSEWHERE CLASSIFIED (NEC) CATEGORIES AND OCCUPATIONS WITH EMPLOYMENT OF LESS THAN 100 IN 1998.



## OCCUPATIONAL TRENDS AND OUTLOOK

This section of the report provides a more detailed discussion of major trends for specific occupational categories which are shown in table 6. Projected changes in the level of employment in each occupation between 1992 and 1998 give an estimate of the number of jobs expected to be created during that six-year period.

Changes in the employment levels of the various occupations reflect changes in the area's overall level of economic activity, differences in the rate of growth or decline among the various industries, and changes in the occupational needs within individual industries. Economic growth tends to ensure an increase in demand for widely used occupations, such as sales. However, the growth in specific industries, such as health care and its related occupations, may bring about an increase in demand for other less prevalent occupations.

In addition to the 2,800 job opportunities created through industry growth, another 6,880 jobs will become available to replace workers who leave the labor force. The "separations" data are partial estimates of the number of entrants who will be needed to fill openings created by people leaving an occupation. The total number of openings would be much larger, especially if we included those resulting from people changing jobs but remaining in the same occupation. See the Methods and Economic Assumptions at the back of this report for a fuller explanation.

Between 1992 and 1998, the number of jobs in the Merced area is expected to increase by about 2,800, or 6 percent.

### MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS

The number of managers and administrators in the Merced area is expected to grow from 2,760 in 1992 to 2,960 in 1998. This is a little faster than the projected growth rate for all occupations in the area. Replacement needs will account for an additional 270 jobs.

#### OCCUPATIONS WITH THE LARGEST NUMBER OF JOBS IN THE MANAGERS AND ADMINISTRATIVE WORKERS GROUP(1)

OCCUPATION	1992 EMPLOYMENT	% OF TOTAL	1998 EMPLOYMENT	% OF TOTAL
<b>MANAGERS AND ADMINISTRATIVE</b>	2,760	100.0%	2,960	100.0%
GENERAL MANAGERS, TOP EXECUTIVES	1,180	42.8%	1,240	41.9%
FINANCIAL MANAGERS	260	9.4%	280	9.5%
EDUCATION ADMINISTRATORS	180	6.5%	190	6.4%
MKTING, ADV, PUB-REL MANAGERS	130	4.7%	140	4.7%
PURCHASING MANAGERS	100	3.6%	110	3.7%

(1) EXCLUDES NOT ELSEWHERE CLASSIFIED CATEGORIES.

This occupational category contains managers, administrators, executives, and officials in all industries. Among more specialized managers, *general managers and top executives*, and *managers and administrators(nec)*, will have the largest absolute change over the 1992-1998 projection period.

## PROFESSIONAL AND TECHNICAL OCCUPATIONS

There are roughly 200 occupations in this major group. They include many highly trained workers, such as accountants, architects, engineers, scientists, lawyers, teachers, medical practitioners, and entertainers.

The number of professional and technical workers in the Merced area will grow by 6.4 percent through 1998.

### OCCUPATIONS WITH THE LARGEST NUMBER OF JOBS IN THE PROFESSIONAL AND TECHNICAL GROUP(1)

OCCUPATION	1992 EMPLOYMENT	% OF TOTAL	1998 EMPLOYMENT	% OF TOTAL
PROFESSIONAL, PARAPROF, TECH	10,060	100.0%	10,700	100.0%
INSTRUCTIONAL AIDES	2,140	21.3%	2,300	21.5%
TEACHERS--ELEMENTARY SCHOOL	1,110	11.0%	1,190	11.1%
REGISTERED NURSES	540	5.4%	600	5.6%
TEACHERS--SECONDARY SCHOOL	480	4.8%	520	4.9%
LICENSED VOCATIONAL NURSES	250	2.5%	280	2.6%

(1) EXCLUDES NOT ELSEWHERE CLASSIFIED CATEGORIES.

It is of particular significance when using data from this report on professional occupations, to realize that the employment levels include only wage and salary or payroll employment, and do not include self-employed workers. Self-employment makes up a large proportion of all jobs in many professional occupations, such as physicians or dentists. Consequently, our figures for these types of occupations will be very different from other sources of data which include self-employed individuals.

## SALES AND RELATED OCCUPATIONS

These workers are employed primarily by retail stores, manufacturing and wholesale firms, insurance companies, and real estate agencies. Jobs in sales occupations totaled 5,290, or 11.3 percent of all nonagricultural employment in the county during 1992. By 1998, these occupations should register an 11.4 percent share of the total occupational work force, for a total of 5,640 jobs.

### OCCUPATIONS WITH THE LARGEST NUMBER OF JOBS IN THE SALES AND RELATED GROUP(1)

OCCUPATION	1992 EMPLOYMENT	% OF TOTAL	1998 EMPLOYMENT	% OF TOTAL
SALES AND RELATED	5,290	100.0%	5,640	100.0%
SALESPERSONS - RETAIL(NON-VEHICLE)	1,520	28.7%	1,640	29.1%
CASHIERS	1,470	27.8%	1,570	27.8%
SALES REPS, NON-SCIENTIFIC EX RET	500	9.5%	540	9.6%
FIRST-LINE SUP/MGR--SALES	490	9.3%	510	9.0%
STOCK CLERKS--SALES FLOOR	430	8.1%	450	8.0%

(1) EXCLUDES NOT ELSEWHERE CLASSIFIED CATEGORIES.



Although the occupational group is comparatively small, it contains one of the largest single occupations--*retail salesperson*. This occupation will grow by 7.9 percent, reaching 1,640 in 1998.

## CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS

The clerical and administrative support occupations are expected to show moderate growth during the 1992-1998 forecast period. Office automation and technological change may bring about a slowing of job growth in some occupations. Many clerical occupations, particularly those centered in fast growing industries will show stronger growth. Other major job gainers include secretarial and general office occupations. The occupation projected to have the largest absolute job increase between 1992 and 1998 is *general office clerk*. This occupation should expand by 6.3 percent, bringing the 1998 total to 1,020.

### OCCUPATIONS WITH THE LARGEST NUMBER OF JOBS IN THE CLERICAL AND ADMINISTRATIVE SUPPORT GROUP(1)

OCCUPATION	1992 EMPLOYMENT	% OF TOTAL	1998 EMPLOYMENT	% OF TOTAL
CLERICAL AND ADMIN SUPPORT	8,010	100.0%	8,420	100.0%
GENERAL OFFICE CLERKS	960	12.0%	1,020	12.1%
BOOKKEEPING, ACCOUNTING CLERKS	980	12.2%	990	11.8%
SECRETARIES, GENERAL	850	10.6%	880	10.5%
TYPISTS, INCLUDING WORD PROCESSING	620	7.7%	660	7.8%
FIRST-LINE SUP/MGR, CLERL, ADM SUP	560	7.0%	590	7.0%

(1) EXCLUDES NOT ELSEWHERE CLASSIFIED CATEGORIES.

## SERVICE OCCUPATIONS

Service workers are found in a variety of establishments providing business services; protective services; preparing and serving food and beverages; providing health care, grooming, cosmetic and other personal services.

### OCCUPATIONS WITH THE LARGEST NUMBER OF JOBS IN THE SERVICE GROUP(1)

OCCUPATION	1992 EMPLOYMENT	% OF TOTAL	1998 EMPLOYMENT	% OF TOTAL
SERVICE OCCUPATIONS	6,530	100.0%	6,970	100.0%
WAITERS AND WAITRESSES	720	11.0%	770	11.0%
FOOD PREPARATION WORKERS	610	9.3%	660	9.5%
JANITORS, CLEANERS--EXCEPT MAIDS	480	7.4%	500	7.2%
NURSE AIDES, ORDERLIES, ATTENDANTS	420	6.4%	450	6.5%
COOKS--SPECIALTY FAST FOOD	380	5.8%	400	5.7%

(1) EXCLUDES NOT ELSEWHERE CLASSIFIED CATEGORIES.

Service occupations accounted for 14 percent of the total occupational work force in 1992 and should gain 440 workers, for a total of 6,970 jobs by 1998. There should be 1,530 additional job openings to fill the gap left by job separations.

## AGRICULTURAL, FORESTRY, AND FISHING OCCUPATIONS

This report does not include data for most types of agricultural activity. *Gardeners and landscapers* should make up the majority of the employment in this major occupational group in 1998. There will be an estimated 50 new jobs for gardeners during the projection period, with a total of 810 working by 1998. An additional 110 workers will be needed over this period to meet job replacement requirements.

### OCCUPATIONS WITH THE LARGEST NUMBER OF JOBS IN THE AGRICULTURE, FORESTRY AND FISHING GROUP(1)

OCCUPATION	1992 EMPLOYMENT	% OF TOTAL	1998 EMPLOYMENT	% OF TOTAL
AGRICULTURAL, FORESTRY, FISH	760	100.0%	810	100.0%
GARDENERS, GROUNDSKEEPERS-EX FARM	300	39.5%	330	40.7%
GRADERS, SORTERS--AG PRODUCTS	90	11.8%	90	11.1%

(1) EXCLUDES NOT ELSEWHERE CLASSIFIED CATEGORIES.

## PRODUCTION, CONSTRUCTION, AND RELATED OCCUPATIONS

This major occupational group comprised 27.9 percent of the total occupational work force in Merced County in 1992. Total occupations should add up to 13,750 by 1998. Two of the largest occupations falling within this division are *maintenance repairers* and *automotive mechanics*.

### OCCUPATIONS WITH THE LARGEST NUMBER OF JOBS IN THE PRODUCTION, CONSTRUCTION, AND RELATED GROUP(1)

OCCUPATION	1992 EMPLOYMENT	% OF TOTAL	1998 EMPLOYMENT	% OF TOTAL
PROD, CONST, OPER, MAT HAND	13,040	100.0%	13,750	100.0%
TRUCK DRIVERS, HEAVY	920	7.1%	1,000	7.3%
HAND PACKERS AND PACKAGERS	670	5.1%	700	5.1%
ASSEMB, FABRICATORS--EX MACH,ELECT	580	4.4%	640	4.7%
TRUCK DRIVERS, LIGHT	530	4.1%	570	4.1%
CANNERY WORKERS	540	4.1%	550	4.0%

(1) EXCLUDES NOT ELSEWHERE CLASSIFIED CATEGORIES.

# TABLE 6 OCCUPATIONAL EMPLOYMENT PROJECTIONS

MERCED COUNTY 1992 - 1998

LINE #	CA OES CODE	OCCUPATIONAL TITLE	ANNUAL AVERAGE 1992	ANNUAL AVERAGE 1998	ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS
1		<b>TOTAL, ALL OCCUPATIONS<sup>(1)</sup></b>	<b>46,750</b>	<b>49,550</b>	<b>2,800</b>	<b>6.0</b>	<b>6,880</b>
2	100000	<b>MGRS AND ADMIN OCCUPATIONS</b>	<b>2,760</b>	<b>2,960</b>	<b>200</b>	<b>7.2</b>	<b>270</b>
3	130020	FINANCIAL MANAGERS	260	280	20	7.7	20
4	130050	PERS, TRAINING, LABOR-REL MGRS	50	60	10	20.0	10
5	130080	PURCHASING MANAGERS	100	110	10	10.0	10
6	130110	MKTING, ADV, PUB-REL MANAGERS	130	140	10	7.7	20
7	130140	ADMINISTRATIVE SERVICES MANAGERS	100	100	0	0.0	10
8	130170	ENGINEER, MATH, AND NAT SCI MGRS	50	60	10	20.0	10
10	150050	EDUCATION ADMINISTRATORS	180	190	10	5.6	20
12	150110	PROPERTY AND REAL ESTATE MANAGERS	90	110	20	22.2	10
13	150140	INDUSTRIAL PRODUCTION MANAGERS	90	100	10	11.1	10
14	150170	CONSTRUCTION MANAGERS	70	80	10	14.3	10
16	150230	COMM, TRANS, UTIL OPER MGRS	90	90	0	0.0	10
17	150261	FOOD SERVICE MANAGERS	80	90	10	12.5	10
20	190050	GENERAL MANAGERS, TOP EXECUTIVES	1,180	1,240	60	5.1	100
21	199990	MANAGERS AND ADMINISTRATORS, NEC	290	310	20	6.9	20
22	200000	<b>PROFESSIONAL, PARAPROF, TECHNICAL</b>	<b>10,060</b>	<b>10,700</b>	<b>640</b>	<b>6.4</b>	<b>960</b>
23	210000	MANAGEMENT SUPPORT OCCUPATIONS	950	1,030	80	8.4	90
24	211000	ACCOUNTANTS, AUDIT, FINANCE SPECS	380	420	40	10.5	30
25	211020	UNDERWRITERS	100	110	10	10.0	10
29	211140	ACCOUNTANTS AND AUDITORS	230	250	20	8.7	20
31	211990	FINANCIAL SPECIALISTS, NEC	50	60	10	20.0	0
32	213000	PURCHASING AGENTS AND BUYERS	130	140	10	7.7	20
33	213020	WHLE AND RET BUYERS-EX FARM PRODS	80	80	0	0.0	10
35	213080	PURCH AGTS-EX WHLE,RET,FARM PRODS	50	60	10	20.0	10
36	215000	PERS, TRAINING, LAB-REL SPECS	190	210	20	10.5	20
39	215080	EMPL INTERVIEWERS-PRIV OR PUB	190	210	20	10.5	20
41	219000	OTHER MANAGEMENT SUPPORT WORKERS	250	260	10	4.0	20
45	219110	COMPL, ENFORCE INSPECT-EX CONST	190	190	0	0.0	20
49	219990	MANAGEMENT SUPPORT WORKERS, NEC	60	70	10	16.7	0
50	220000	ENGINEERS, ARCHITECTS, SURVEYORS	60	60	0	0.0	10
72	225000	ENGINEERING, RELATED TECHNICIANS	60	60	0	0.0	10
80	225990	ENGINEERING, RELATED TECHS, NEC	60	60	0	0.0	10
100	250000	COMPUTER, MATH, OPS RESRCH, RELATE	100	100	0	0.0	10

(1) TOTAL IS BASED ON THE PRELIMINARY 3/92 BENCHMARKED INDUSTRY TOTAL



# TABLE 6 OCCUPATIONAL EMPLOYMENT PROJECTIONS

MERCED COUNTY 1992 - 1998

LINE #	CA OES CODE	OCCUPATIONAL TITLE	ANNUAL AVERAGE 1992	ANNUAL AVERAGE 1998	ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS
101	251000	COMPUTER SCIENTISTS AND RELATED	100	100	0	0.0	10
103	251051	COMPUTER PROGRAMMERS, INCL AIDES	100	100	0	0.0	10
114	270000	SOCIAL SCI, RECREATION, RELIGIOUS	400	430	30	7.5	30
120	273000	OTH SOCIAL SCIENCE RELATED WORKERS	400	430	30	7.5	30
121	273020	SOCIAL WORKERS--MED, PSYCHIATRIC	180	190	10	5.6	10
122	273050	SOCIAL WKRS--EX MED, PSYCHIATRIC	160	170	10	6.3	10
125	273110	RECREATION WORKERS	60	70	10	16.7	10
130	280000	LAW AND RELATED OCCUPATIONS	90	100	10	11.1	10
131	281000	LAWYERS AND RELATED WORKERS	90	100	10	11.1	10
134	281080	LAWYERS	90	100	10	11.1	10
141	310000	TEACHERS, EDUCATORS, LIBRARIANS	4,780	5,150	370	7.7	420
142	311000	POST-SECONDARY TEACHERS	150	160	10	6.7	30
152	312160	ENGLISH, FOREIGN LANGUAGE TEACHERS	60	60	0	0.0	10
157	312990	POSTSECONDARY TEACHERS, NEC	90	100	10	11.1	20
158	313000	OTHER TEACHERS AND INSTRUCTORS	2,200	2,370	170	7.7	190
159	313020	TEACHERS, PRESCHOOL & KINDERGARTEN	240	260	20	8.3	10
160	313050	TEACHERS--ELEMENTARY SCHOOL	1,110	1,190	80	7.2	110
161	313080	TEACHERS--SECONDARY SCHOOL	480	520	40	8.3	60
162	313110	TEACHERS--SPECIAL EDUCATION	200	220	20	10.0	10
163	313140	TEACHERS--VOC ED AND TRAINING	90	100	10	11.1	0
165	313210	INSTRUCTORS AND COACHES--SPORTS	80	80	0	0.0	0
168	315000	LIBRARIANS, ARCHIVISTS AND RELATED	2,430	2,620	190	7.8	200
170	315050	TECHNICAL ASSISTANTS--LIBRARY	70	70	0	0.0	10
173	315140	VOCATIONAL & EDUCATIONAL COUNSELOR	140	160	20	14.3	10
174	315170	INSTRUCTIONAL COORDINATORS	80	90	10	12.5	0
175	315211	INSTRUCTIONAL AIDES	2,140	2,300	160	7.5	180
176	320000	HEALTH PRACTITIONERS, TECHS, RELAT	1,240	1,360	120	9.7	130
177	321000	HEALTH DIAGNOSING, TREATING	200	210	10	5.0	30
178	321020	PHYSICIANS AND SURGEONS	120	130	10	8.3	20
183	321140	VETS AND VETERINARY INSPECTORS	80	80	0	0.0	10
193	325000	HEALTH CARE MAINTENANCE, TREATING	850	940	90	10.6	80
194	325020	REGISTERED NURSES	540	600	60	11.1	40
195	325050	LICENSED VOCATIONAL NURSES	250	280	30	12.0	30
199	325170	PHARMACISTS	60	60	0	0.0	10
203	329000	OTHER HEALTH PROFS, PARAPROFS	190	210	20	10.5	20
204	329020	MED, CLINICAL LAB TECHNOLOGISTS	80	90	10	12.5	10
205	329050	MED, CLINICAL LAB ASSISTANTS	60	60	0	0.0	10
217	329990	HEALTH CARE PROFS, PARAPROFS, NEC	50	60	10	20.0	0



# TABLE 6 OCCUPATIONAL EMPLOYMENT PROJECTIONS

**MERCED COUNTY 1992 - 1998**

LINE #	CA OES CODE	OCCUPATIONAL TITLE	ANNUAL AVERAGE 1992	ANNUAL AVERAGE 1998	ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS
218	340000	WRITERS, ARTISTS, ENTER, ATHLETES	70	80	10	14.3	10
234	340440	MERCH DISPLAYERS, WINDOW TRIMMERS	70	80	10	14.3	10
240	390000	MISC PROFS, PARAPROFS, TECHNICAL	2,370	2,390	20	0.8	250
246	399990	OTHER PROF, PARAPROF, TECHNICAL	2,370	2,390	20	0.8	250
247	400000	<b>SALES AND RELATED OCCUPATIONS</b>	<b>5,290</b>	<b>5,640</b>	<b>350</b>	<b>6.6</b>	<b>1,160</b>
248	410000	FIRST-LINE SUP/MGR--SALES	490	510	20	4.1	50
249	430000	SALES AGENTS--SERVICE	190	210	20	10.5	30
250	430020	SALES AGENTS, PLACERS--INSURANCE	110	130	20	18.2	20
255	430170	SALES AGENTS--SEL BUS SERVICES	80	80	0	0.0	10
259	490000	MERCH, PRODUCTS AND OTHER SALES	4,610	4,920	310	6.7	1,080
261	490050	SALES REPS, SCIENTIFIC--EX RETAIL	60	60	0	0.0	10
262	490080	SALES REPS, NON-SCIENTIFIC EX RET	500	540	40	8.0	70
263	490111	VEHICLE SALESPERSONS - RETAIL	120	130	10	8.3	30
264	490112	SALESPERSONS - RETAIL(NON-VEHICLE)	1,520	1,640	120	7.9	360
265	490140	SALESPERSONS--PARTS	140	150	10	7.1	30
266	490170	COUNTER AND RENTAL CLERKS	100	100	0	0.0	10
267	490210	STOCK CLERKS--SALES FLOOR	430	450	20	4.7	100
268	490230	CASHIERS	1,470	1,570	100	6.8	440
271	499990	SALES AND RELATED WORKERS, NEC	270	280	10	3.7	30
272	500000	<b>CLERICAL, ADMINISTRATIVE SUPPORT</b>	<b>8,010</b>	<b>8,420</b>	<b>410</b>	<b>5.1</b>	<b>1,040</b>
273	510000	FIRST-LINE SUP/MGR, CLERL, ADM SUP	560	590	30	5.4	80
274	530000	INDUSTRY SPECIFIC CLERICAL, ADMIN	1,150	1,250	100	8.7	180
275	531000	BANKING, SECURITY, FINANCE, CREDIT	350	380	30	8.6	90
276	531020	TELLERS	250	270	20	8.0	80
283	531230	ADJUSTMENT CLERKS	100	110	10	10.0	10
286	533000	INSURANCE WORKERS	380	410	30	7.9	10
290	533110	INSURANCE CLAIMS CLERKS	60	60	0	0.0	0
291	533140	INSURANCE POLICY PROCESSING CLERKS	320	350	30	9.4	10
292	535000	INVESTIGATIVE, RELATED, EX INSUR	200	220	20	10.0	40
293	535020	WELFARE ELIG WORKERS, INTERVIEWERS	200	220	20	10.0	40
296	537000	MUNICIPAL WORKERS	80	90	10	12.5	0
297	537020	COURT CLERKS	80	90	10	12.5	0

# TABLE 6 OCCUPATIONAL EMPLOYMENT PROJECTIONS

MERCED COUNTY 1992 - 1998

LINE #	CA OES CODE	OCCUPATIONAL TITLE	ANNUAL AVERAGE 1992	ANNUAL AVERAGE 1998	ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS
304	539000	MISC INDUSTRY SPECIFIC CLERICAL	140	150	10	7.1	40
305	539020	LIBRARY ASSTS & BOOKMOBILE DRIVERS	140	150	10	7.1	40
309	550000	SECRETARIAL, GENERAL OFFICE OCCS	4,390	4,590	200	4.6	580
310	551000	SECRETARIES	930	960	30	3.2	130
312	551050	SECRETARIES, MEDICAL	80	80	0	0.0	10
313	551080	SECRETARIES, GENERAL	850	880	30	3.5	120
314	553000	MISC SECRETARIAL, GENL OFF OCCS	3,460	3,630	170	4.9	450
316	553050	RECEPTIONISTS, INFORMATION CLERKS	380	410	30	7.9	40
317	553070	TYPISTS, INCLUDING WORD PROCESSING	620	660	40	6.5	80
318	553140	PERS CLERKS--EX PAYROLL	50	50	0	0.0	10
320	553210	FILE CLERKS	140	150	10	7.1	40
321	553230	ORDER CLERKS--MATERIALS, SERVICE	100	100	0	0.0	20
324	553320	INTERVIEW CLERKS--EX PERS, WELFARE	50	60	10	20.0	10
326	553380	BOOKKEEPING, ACCOUNTING CLERKS	980	990	10	1.0	120
327	553410	PAYROLL AND TIMEKEEPING CLERKS	60	60	0	0.0	10
328	553440	BILLING, COST, AND RATE CLERKS	120	130	10	8.3	30
329	553470	GENERAL OFFICE CLERKS	960	1,020	60	6.3	90
330	560000	EDP AND OFFICE MACHINE OCCUPATIONS	170	180	10	5.9	10
334	560110	COMPUTER OPS--EX PERIPHERAL EQUIP	60	60	0	0.0	0
336	560170	DATA ENTRY KEYERS--EX COMPOSING	110	120	10	9.1	10
339	570000	COMMUNICATIONS, MAIL DISTRIBUTION	290	300	10	3.4	40
340	571000	COMMUNICATION EQUIPMENT OPERATORS	70	80	10	14.3	10
341	571020	SWITCHBOARD OPERATORS	70	80	10	14.3	10
346	573000	MAIL, MESSAGE DISTRIBUTION WORKERS	220	220	0	0.0	30
347	573020	MAIL CLKS-EX MAIL MACH OPS, POSTAL	50	60	10	20.0	10
348	573050	POSTAL MAIL CARRIERS	170	160	-10	-5.9	20
351	580000	MATERIAL RECORDING, DISPATCHING	640	670	30	4.7	60
353	580050	DISPATCH--EX POLICE, FIRE, AMBUL	60	70	10	16.7	10
359	580230	STOCK CLERKS--STOCKROOM, WAREHOUSE	260	270	10	3.8	30
361	580280	TRAFFIC, SHIPPING, RECEIVING CLKS	320	330	10	3.1	20
363	590000	CLERICAL, ADMIN SUPPORT, NEC	810	840	30	3.7	90
365	600000	<b>SERVICE OCCUPATIONS</b>	<b>6,530</b>	<b>6,970</b>	<b>440</b>	<b>6.7</b>	<b>1,530</b>
366	610000	FIRST-LINE SUP/MGR--SERVICE	360	380	20	5.6	50
369	610080	HOUSEKEEPING SUPERVISORS	100	110	10	10.0	20
370	610990	FIRST-LINE SUP/MGR SERV WKRS, NEC	260	270	10	3.8	30

# TABLE 6 OCCUPATIONAL EMPLOYMENT PROJECTIONS

MERCED COUNTY 1992 - 1998

LINE #	CA OES CODE	OCCUPATIONAL TITLE	ANNUAL AVERAGE 1992	ANNUAL AVERAGE 1998	ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS
371	630000	PROTECTIVE SERVICE OCCUPATIONS	670	730	60	9.0	100
374	630080	FIRE FIGHTERS	120	130	10	8.3	20
376	630140	POLICE PATROL OFFICERS	140	150	10	7.1	30
377	630170	CORRECTION OFFICERS, JAILERS	120	150	30	25.0	10
382	630320	SHERIFFS AND DEPUTY SHERIFFS	190	200	10	5.3	30
387	630470	GUARDS AND WATCH GUARDS	100	100	0	0.0	10
389	650000	FOOD, BEV PREP AND SERVICE OCCS	3,280	3,510	230	7.0	1,100
390	650020	HOSTS, HOSTESSES--RESTAURANTS	80	80	0	0.0	10
391	650050	BARTENDERS	110	110	0	0.0	20
392	650080	WAITERS AND WAITRESSES	720	770	50	6.9	210
394	650140	DINING RM ATTENDANTS, BAR HELPERS	160	170	10	6.3	80
395	650170	COUNTER ATTENDANTS--FOOD	160	180	20	12.5	120
396	650210	BAKERS--BREAD AND PASTRY	60	70	10	16.7	10
397	650230	BUTCHERS AND MEAT CUTTERS	130	120	-10	-7.7	20
398	650260	COOKS--RESTAURANT	250	270	20	8.0	50
399	650280	COOKS--INSTITUTION OR CAFETERIA	170	190	20	11.8	30
400	650320	COOKS--SPECIALTY FAST FOOD	380	400	20	5.3	180
401	650350	COOKS--SHORT ORDER	90	100	10	11.1	50
402	650380	FOOD PREPARATION WORKERS	610	660	50	8.2	200
403	650410	COMBINED FOOD PREP AND SERVICE	290	320	30	10.3	100
404	650990	FOOD SERVICE WORKERS, NEC	70	70	0	0.0	20
405	660000	HEALTH SERVICE, RELATED OCCS	630	680	50	7.9	50
406	660020	DENTAL ASSISTANTS	80	90	10	12.5	10
407	660050	MEDICAL ASSISTANTS	130	140	10	7.7	10
408	660080	NURSE AIDES, ORDERLIES, ATTENDANTS	420	450	30	7.1	30
416	670000	CLEANING, BLDING SERV EX PRIV HOUS	890	930	40	4.5	110
417	670020	MAIDS AND HOUSEKEEPING CLEANERS	340	360	20	5.9	30
418	670050	JANITORS, CLEANERS--EXCEPT MAIDS	480	500	20	4.2	70
421	670990	CLEANING, BLDING SERV--EX PH, NEC	70	70	0	0.0	10
422	680000	MISC PERSONAL SERVICE OCCUPATIONS	190	200	10	5.3	10
424	680050	HAIRDRESSERS, HAIRSTYLISTS	190	200	10	5.3	10
437	690000	MISC SERVICE WORKERS	510	540	30	5.9	110
438	700000	AGRICULTURAL, FORESTRY, FISHING	760	810	50	6.6	110
447	790000	MISC AG, FORESTRY, FISHING	760	810	50	6.6	110
451	790110	GRADERS, SORTERS--AG PRODUCTS	90	90	0	0.0	10
452	790140	GARDENERS, GROUNDSKEEPERS-EX FARM	300	330	30	10.0	30
455	790990	OTHER AG, FORESTRY, FISHING	370	390	20	5.4	70



# TABLE 6 OCCUPATIONAL EMPLOYMENT PROJECTIONS

MERCED COUNTY 1992 - 1998

LINE #	CA OES CODE	OCCUPATIONAL TITLE	ANNUAL AVERAGE 1992	ANNUAL AVERAGE 1998	ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS
458	800000	PROD, CONST, OPER, MAT HANDLING	13,040	13,750	710	5.4	1,810
459	810000	FIRST-LINE SUP/MGR-BLUE COLLAR	770	810	40	5.2	130
460	810020	FIRST-LINE SUP/MGR-MECH, REPAIRERS	240	250	10	4.2	50
461	810050	FIRST-LINE SUP/MGR-CONSTRUCTION	70	80	10	14.3	10
462	810080	FIRST-LINE SUP/MGR-PRODUCTION	280	300	20	7.1	50
464	810170	FIRST-LINE SUP/MGR-HELP, LABORERS	70	80	10	14.3	10
465	810990	FIRST-LINE SUP/MGR-BLUE COLLAR NEC	110	100	-10	-9.1	10
466	830000	INSPECTORS, RELATED OCCUPATIONS	190	200	10	5.3	30
468	830050	PROD INSPECTORS, TESTERS, & GRADER	190	200	10	5.3	30
471	850000	MECHANICS, INSTALLERS, REPAIRERS	1,390	1,460	70	5.0	190
472	851000	MACHINERY AND RELATED MECHANICS	720	750	30	4.2	70
478	851190	MACHINERY MAINT MECHANICS, NEC	180	190	10	5.6	20
481	851280	MACHINERY MAINTENANCE WORKERS	80	80	0	0.0	10
482	851320	MAINT REPAIRERS, GENL UTILITY	460	480	20	4.3	40
483	853000	MOBILE EQUIP MECHANICS, REPAIRERS	520	550	30	5.8	90
484	853020	AUTOMOTIVE MECHANICS	330	350	20	6.1	60
485	853050	AUTOMOTIVE BODY, RELATED REPAIRERS	80	80	0	0.0	10
487	853110	BUS AND TRUCK MECHANICS	110	120	10	9.1	20
514	859000	MISC MECH, INSTALLERS, REPAIRERS	150	160	10	6.7	30
515	859020	HEATING, AC, REFRIG MECHANICS	90	100	10	11.1	10
530	859530	TIRE REPAIRERS AND CHANGERS	60	60	0	0.0	20
533	870000	CONSTRUCTION TRADES	810	850	40	4.9	100
534	871000	CARPENTERS AND RELATED WORKERS	210	220	10	4.8	20
535	871020	CARPENTERS	210	220	10	4.8	20
541	872000	ELECTRICIANS AND RELATED WORKERS	130	140	10	7.7	20
542	872020	ELECTRICIANS	130	140	10	7.7	20
543	873000	MASONS AND RELATED WORKERS	60	70	10	16.7	10
547	873110	CONCRETE AND TERRAZZO FINISHERS	60	70	10	16.7	10
550	874000	PAINTERS AND RELATED WORKERS	90	90	0	0.0	10
551	874020	PAINTERS, PAPERHANGERS--CONST	90	90	0	0.0	10
552	875000	PLUMBERS AND RELATED WORKERS	80	80	0	0.0	10
553	875020	PLUMBERS, PIPEFITTERS, STEAMFITTER	80	80	0	0.0	10
561	877000	SELECTED ROAD, RAIL AND RELATED	140	150	10	7.1	20
564	877080	PAVING, TAMPING-EQUIP OPERATORS	140	150	10	7.1	20
575	879000	EXTRACTIVE AND RELATED WORKERS	100	100	0	0.0	10
588	879990	CONST, EXTRACTIVE--EX HELPERS, NEC	100	100	0	0.0	10



# TABLE 6 OCCUPATIONAL EMPLOYMENT PROJECTIONS

MERCED COUNTY 1992 - 1998

LINE #	CA OES CODE	OCCUPATIONAL TITLE	ANNUAL AVERAGE 1992	1998	ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS
589	890000	PRODUCTION OCCUPATIONS, PRECISION	1,370	1,430	60	4.4	210
590	891000	METAL WORKERS, PRECISION	180	200	20	11.1	30
593	891080	MACHINISTS	110	130	20	18.2	20
601	891320	SHEET METAL WORKERS	70	70	0	0.0	10
604	893000	WOODWORKERS, PRECISION	180	200	20	11.1	40
607	893080	WOOD MACHINISTS	50	60	10	20.0	10
608	893110	CABINETMAKERS AND BENCH CARPENTERS	130	140	10	7.7	30
639	899000	OTHER PRECISION WORKERS	1,010	1,030	20	2.0	140
649	899990	WORKERS, PRECISION-NEC	1,010	1,030	20	2.0	140
650	910000	MACH SETTERS, SET-UP, OPS, TENDERS	950	1,000	50	5.3	120
651	911000	MACH TOOL CUTTING-METAL, PLASTIC	100	110	10	10.0	10
657	911170	MACH TOOL CUTTING OPS-METAL, PLAST	100	110	10	10.0	10
700	925000	PRINTING, BINDING, RELATED WORKERS	140	150	10	7.1	20
704	925190	PRINT PRESS SETTERS, SET-UP OPS NE	50	60	10	20.0	10
711	925430	PRINTING PRESS MACHINE OPS, TENDER	90	90	0	0.0	10
715	927000	TEXTILE, RELATED SETTERS, OPS	60	70	10	16.7	10
722	927210	SEWING MACHINE OPS--NON-GARMENT	60	70	10	16.7	10
726	929000	MACH SETTER, SET-UP, OP--EX MET, PLAS	650	670	20	3.1	80
737	929320	DAIRY PROC EQUIP OPRS--INC SETTERS	100	100	0	0.0	10
741	929440	CUTTING, SLICING MACH OPS, TNDRS	100	100	0	0.0	10
744	929530	PAINTING, REL MACH OPS, TENDERS	70	80	10	14.3	10
746	929580	CLEANING, PICKLING EQUIP OPS, TNDRS	70	70	0	0.0	10
748	929650	CRUSHING, MIXING MACH OPS, TNDRS	70	80	10	14.3	10
751	929740	PACKAGING, FILLING MACH OPS, TNDRS	240	240	0	0.0	30
754	930000	ASSEMBLERS AND FABRICATORS--HAND	1,930	2,070	140	7.3	220
763	939000	OTHER HAND WORKERS	1,930	2,070	140	7.3	220
768	939140	WELDERS AND CUTTERS	180	200	20	11.1	30
775	939350	CANNERY WORKERS	540	550	10	1.9	60
776	939380	MEAT, POULTRY, FISH CUTTERS--HAND	420	450	30	7.1	50
782	939560	ASSEMB, FABRICATORS--EX MACH, ELECT	580	640	60	10.3	50
783	939990	HAND WORKERS, NEC	210	230	20	9.5	30
784	950000	PLANT AND SYSTEM OCCUPATIONS	190	200	10	5.3	30
787	950080	CHEMICAL PLANT, SYSTEM OPERATORS	190	200	10	5.3	30

**TABLE 6**  
**OCCUPATIONAL EMPLOYMENT PROJECTIONS**

**MERCED COUNTY 1992 - 1998**

LINE #	CA OES CODE	OCCUPATIONAL TITLE	ANNUAL AVERAGE		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS
			1992	1998			
797	970000	TRANS, MATERIAL MOVING MACHINE OPS	2,330	2,520	190	8.2	270
798	971000	MOTOR VEHICLE OPERATORS	1,970	2,140	170	8.6	200
799	971020	TRUCK DRIVERS, HEAVY	920	1,000	80	8.7	150
800	971050	TRUCK DRIVERS, LIGHT	530	570	40	7.5	10
801	971080	BUS DRIVERS	100	100	0	0.0	10
802	971110	BUS DRIVERS--SCHOOL	340	380	40	11.8	20
804	971170	DRIVER/SALES WORKERS	80	90	10	12.5	10
824	978000	MISC TRANSPORTATION WORKERS	120	130	10	8.3	40
826	978050	SERVICE STATION ATTENDANTS	120	130	10	8.3	40
829	979000	MATERIAL MOVEMENT EQUIP OPERATORS	240	250	10	4.2	30
845	979470	INDUSTRIAL TRUCK,TRACTOR OPERATORS	240	250	10	4.2	30
851	980000	HELPERS, LABORERS, HAND--EX AG	3,110	3,210	100	3.2	510
852	981000	MECHANIC AND REPAIRER HELPERS	80	80	0	0.0	20
853	981020	MECHANIC AND REPAIRER HELPERS, NEC	80	80	0	0.0	20
863	985000	MACHINE FEEDERS AND OFFBEARERS	100	110	10	10.0	20
864	985020	MACHINE FEEDERS AND OFFBEARERS, NEC	100	110	10	10.0	20
865	987000	FREIGHT, STOCK, MAT MOVERS, HAND	370	390	20	5.4	150
867	987050	REFUSE COLLECTORS	70	70	0	0.0	10
868	987990	FREIGHT, MATERIAL MOVERS-HAND, NEC	300	320	20	6.7	140
869	989000	MISC HELPERS, LABORERS--HAND	2,560	2,630	70	2.7	320
870	989020	HAND PACKERS AND PACKAGERS	670	700	30	4.5	80
871	989050	VEHICLE WASHERS, EQUIP CLEANERS	340	350	10	2.9	30
872	989990	MISC HELPERS, LABORERS--HAND, NEC	1,550	1,580	30	1.9	210
873		OCCUPATIONS NOT CLASSIFIED	300	300	0	0.0	

## DESCRIPTION OF TABLES

**Table 1 -- EMPLOYMENT BY MAJOR INDUSTRY**

This table shows 1986 and 1992 estimated employment and 1998 projected employment along with the percentage of total employment for each major industry division.

**EMPLOYMENT** includes nonagricultural wage and salary workers except for self-employed persons, unpaid family workers, private household workers, and those involved in labor-management trade disputes. For the government sector, employment includes all civilian employees regardless of the activities in which they are engaged. With the exception of government, industries are classified by the Standard Industrial Classification (SIC) system.

**INDUSTRY** is a group of firms that engage in similar economic activities. The Standard Industrial Classification (SIC) system was used to categorize industries.

**INDUSTRY DIVISIONS** group industries into nine major categories, according to the economic activity involved. An industry division refers to a distinct group of private, public, or nonprofit enterprises engaged in producing goods or providing services.

The nine industry divisions are defined as follows:

**MINING (SIC 10-14)** includes all establishments involved in the extraction of minerals, crude petroleum, and natural gas. It includes quarrying, well operations, milling, and other related activities.

**CONSTRUCTION (SIC 15-17)** includes establishments engaged in contract construction. This includes new work, additions, alterations, and repairs performed by general and special trade contractors.

**MANUFACTURING (SIC 20-39)** includes establishments which are usually described as plants, factories, or mills that are engaged in producing or processing non-durable or durable goods. These characteristically use power-driven machines and material-handling equipment.

**TRANSPORTATION AND PUBLIC UTILITIES (SIC 40-49)** includes enterprises engaged in passenger and freight transportation by surface, water, and air and warehousing and other transportation services. It also includes the communications complex of telephone, telegraph, radio, and television; and the utilities providing gas, electric, and sanitary services.

**WHOLESALE TRADE (SIC 50-51)** includes establishments involved in the selling of merchandise to retailers; to industrial, commercial, farm, construction contractors, or professional business users; or to other wholesalers.

**RETAIL TRADE (SIC 52-59)** includes establishments involved in the selling of merchandise for personal or household consumption and rendering services incidental to the sale of goods.

**FINANCE, INSURANCE, AND REAL ESTATE (SIC 60-67)** includes banks, savings and loan institutions, and security and commodity brokerages, insurance agencies and carriers, real estate sales and management offices, and rental and planning agencies.



SERVICES (SIC 70-89,074,075,078) includes establishments such as hotels, laundries, auto repair shops, theaters, legal services, advertising services, private schools and hospitals, and nonprofit organizations which are engaged in rendering a variety of services to individuals and businesses.

GOVERNMENT includes the legislative, judicial, administrative, and regulatory activities of federal, state, local, and international governments. It also includes federal, state, and local government hospitals and education.

## Table 2 -- EMPLOYMENT BY INDUSTRY

This table shows employment and projected employment by industry. The number of jobs is estimated for 1992 and projected for 1998. The column entitled "SIC" lists the Standard Industrial Classification code for each industry grouping. The column labeled "*Absolute Change*" provides the projected change in employment between 1992 and 1998. The "*Percent Change*" column is the estimated growth rate over the six-year period.

## Table 3 -- EMPLOYMENT BY MAJOR OCCUPATIONAL GROUP

This table shows 1992 and 1998 employment and projected employment for the seven major occupational groups. The "*Percent of Total*" column displays the percentage of total employment each major occupational group represents. The "*Absolute Change*" column gives the number of job opportunities resulting from the creation of new jobs. "*Percent Change*" shows the percentage change for each occupational group.

**OCCUPATIONAL GROUPS** are groups of occupations with similar skills and/or educational requirements, based on the OES groupings. There are over 700 detailed occupations and close to 100 summary level occupations in the Occupational Employment Statistics (OES) classification system.

The seven major occupational groups are defined as follows:

**MANAGERS AND ADMINISTRATIVE** occupations are top and mid-level managers, administrators, and executives. Primary duties are policy making, planning, staffing, directing, or controlling the activities of a firm. First-line supervisors are excluded from this category.

**PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL** occupations are concerned with theoretical or practical aspects of such fields as science, art, education, health, law, and business relations. Professional occupations generally require long and intensive preparation, while technical occupations work closely with professional personnel and are required to have a combination of basic scientific knowledge and specialized education.

**SALES AND RELATED** occupations are concerned with influencing customers to buy commodities, services, real estate, and investments.

**CLERICAL AND ADMINISTRATIVE SUPPORT** occupations prepare, transcribe, systematize, and preserve written communications and records; distribute information; and collect accounts.



SERVICE OCCUPATIONS prepare and serve food and drink; provide lodging and related services; provide grooming, cosmetic, and other personal and health care services; maintain and clean clothing and other wearing apparel; provide protection for people and property; attend to the comfort or requests of patrons of amusement and recreation facilities; and perform cleaning and maintenance services in the interiors of buildings.

AGRICULTURAL, FORESTRY, AND FISHING occupations in this report include only forestry workers, nursery workers, animal caretakers, and gardeners and groundskeepers.

PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING are skilled, semiskilled, and unskilled workers performing machine and manual tasks involving production, construction, operating, maintenance, repair, and material handling operations.

#### **Table 4 -- OCCUPATIONS WITH THE GREATEST ABSOLUTE JOB GROWTH**

This table lists the occupations that are projected to register the largest absolute change between 1992 and 1998. In general, these occupations are numerically large. Some have average projected rates of growth, but because of their employment size will add significant numbers of new jobs over the 1992-1998 period.

#### **Table 5 -- OCCUPATIONS WITH THE FASTEST JOB GROWTH**

This table lists the occupations with the greatest projected percentage increases. It provides a different perspective to future occupational employment changes. It is important to note that some of these occupations are increasing rapidly from relatively small employment levels and, therefore, are not found in the list of occupations that will add the most new jobs.

#### **Table 6 -- OCCUPATIONAL EMPLOYMENT PROJECTIONS**

This table provides occupational detail for up to 700 occupations. Annual average employment in each occupation is shown for 1992 and 1998. The column headed "*Absolute Change*" presents the number of job opportunities resulting from the creation of new jobs. The "*Percent Change*" column shows the percentage change for each occupation. The next column, "*Openings Due to Separations*", shows job opportunities that are created by workers leaving the occupation. Also included in this table is the Occupational Employment Statistics (OES) codes column. It shows the distinctive California OES code for each occupational title.

#### **Line numbers in Table 6**

Each occupation in Table 6 is identified by a line number. The Alphabetical Index of Occupations section found in this publication may be used to locate individual occupations in the detailed table. The same line numbers are used in all area reports for 1992-1998. Line numbers may be different for other time periods. Not all line numbers appear in all counties; missing line numbers indicate occupations with no employment, or employment below the area's cutoff point for publishing.

# METHODS AND ECONOMIC ASSUMPTIONS

## OVERVIEW

Changes in occupational employment over time result from two principal sources. Changes in the number, size, and type of employers within a given geographical area will affect the demand for certain occupations. Also, technological advances in production and changes in regulations will affect the occupational mix. In developing occupational employment projections, both of these components must be addressed. Following is a discussion of how employment projections are developed, beginning with a description of data sources followed by a description of the steps involved.

## PRINCIPAL DATA SOURCES

### Employment by Industry

The Employment Development Department (EDD) collects payroll data from all private employers and government entities covered under the unemployment insurance, disability insurance, and personal income tax programs. Excluded from these data are the self-employed, unpaid family workers, and private household workers. Each reporting unit is classified by EDD according to the Standard Industrial Classification (SIC) System. The SIC system consists of three levels of detail: the two-digit major industry division, the three-digit sub-industry division, and the four-digit specific industry division. All data are identified by the county in which reported jobs are located, and are collected for each month of the year.

### Occupational Staffing Patterns

Occupational employment estimates are based on survey data collected through the Occupational Employment Statistics (OES) program. The OES survey is a periodic mail survey of nonfarm employers conducted by EDD in cooperation with U.S. Bureau of Labor Statistics. The survey is based on a sample designed to represent the universe of employers in each state. In California, data are collected for over 700 occupations at the four-digit SIC level of detail.

The OES data used in this report were collected over a three-year period (1989-91), with manufacturing establishments surveyed the first year, nonmanufacturing establishments in the second year, and trade and government establishments in the third year.

## PROJECTIONS BY INDUSTRY

The industry projections included in this report were developed in two phases. First, projections were developed at a summary industry level based on two-digit to three-digit SIC classifications. The second phase was to disaggregate these projections to the four-digit industry level.

In the first phase, industry projections were based on the historical relationship between an area's employment in a given industry and California employment in that



industry. In the model used, area employment by industry was specified as a function of California employment in the same or a related industry, and total employment in the area. Area specific total employment was included as an independent variable to capture the employment effects accruing to an industry resulting from the expected overall performance of the local economy compared to the state over the projection period. The local total employment projection used in this phase was based on its relationship to statewide total employment over time, while the California industry projections used were developed as part of the statewide projections process.

As noted above, in the second phase of this process, the summary level industry projections were disaggregated into their four-digit components using the proportions for the base year, 1992. The resulting four-digit projections were reviewed and adjusted if it was determined that a particular four-digit industry would likely grow faster or slower than its associated summary industry total. Last, the four-digit projections were adjusted to group private and public hospital and education employment for consistency with the OES survey.

### **PROJECTIONS BY OCCUPATION**

The distribution of industry employment by occupation is performed in three steps. OES survey responses are summarized by industry and firm size and matched with each SIC and firm size combination in the local area. In cases where local OES responses are not available, either statewide responses or another area's responses are substituted. The survey data are then expanded to the annual average employment level for each industry. This results in estimates of employment by occupation within the four-digit SICs for the base year, 1992.

Next, base year staffing patterns are adjusted to account for projected shifts in the occupational distributions due to technological changes. These projected changes are derived from special studies conducted by the U.S. Bureau of Labor Statistics. Applying these changes to the base year staffing patterns results in staffing patterns by four-digit SIC for the target year, 1998. Target year staffing patterns are applied to the industry employment projections to produce occupational employment projections within four-digit SIC. Data by occupation are then summed to get the 1992 and 1998 occupational estimates. The difference between the 1992 occupational estimates and the 1998 projections represents the net job openings resulting from industry growth and from technological and regulatory changes.

Last, it is important to account for openings that result from net separations. In publications prior to 1993, separations counted only workers leaving the labor force as a result of retirement, death or other long-term conditions. They did not count persons changing occupations or changing employers but remaining in the same occupation. Our new and broader separations estimates are based on the BLS "net separations" data described in the November 1991 *Monthly Labor Review*. The method used by BLS to determine "net separations" is based on projected changes in the level of employment by five-year age group within an occupation. The changes are adjusted to discount overall occupational growth. For each age group, if employment declines as the group ages, total separations must exceed total entrants, and the difference equals net separations for the age group. If employment rises as the group ages, total

entrants must exceed total separations, the difference equals net entrants and net separations for the age group is set to zero. The total of net separations across all age groups then gives the number of openings created by people leaving an occupation which are expected to be filled by net entrants from other age groups, usually younger ones. These entrants into the occupation may come from any source--promotions, transfers from other occupations, new entrants to the labor force, or transfers from other geographic areas. But to the extent that training is required for an occupation, net separations may indicate something about training needs to replace persons who leave the occupation. Please note, the method understates net separations in occupations requiring little training, such as waiter/waitress, that often serve as first jobs and have substantial net separations in young age groups. The net separations rates used are national and have not been adjusted to reflect different age distributions in the county's occupations.

## **ECONOMIC ASSUMPTIONS**

The industry and occupational projections in this report are based on the following assumptions:

- a. The institutional framework of the U.S. economy will not change radically.
- b. Recent technological and scientific trends will continue.
- c. The long-term employment patterns will continue in most industries.
- d. Federal, state, and local government agencies will continue to operate under budgetary constraints.
- e. No major events, such as war, will occur that will significantly alter the industrial structure of the economy, the occupational staffing patterns, or the rate of long-term growth.
- f. Population growth rates and age distributions will not differ significantly from Department of Finance projections presently available.
- g. Attitudes toward work, education, income, and leisure will not change significantly.



# ALPHABETICAL INDEX OF OCCUPATIONS

The alphabetical index of occupations is designed to aid in locating individual occupations in the detailed occupational table.

The first column of the index lists, in alphabetical order, each occupation of the detailed occupational employment table (TABLE 6).

The second column lists the line number which is used to locate individual occupations. This number is unique to each OES occupation and appears in column #1 of the detailed table.

The third column indicates the OES code of the occupation. Note that not all occupations will appear in all counties.

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
ABLE SEAMEN	819	975140
ACCOUNTANTS AND AUDITORS	29	211140
ACCOUNTANTS, AUDIT, FINANCE SPECS	24	211000
ACTUARIES	110	253130
ADJUDICATORS, JUDICIAL REVIEWERS	133	281050
ADJUSTMENT CLERKS	283	531230
ADMINISTRATIVE SERVICES MANAGERS	7	130140
ADVERTISING CLERKS	306	539080
AERONAUT, ASTRONAUTICAL ENGINEERS	52	221020
AG, FORESTRY, FISHING--NEC	457	799990
AGRICULTURAL AND FOOD SCIENTISTS	90	243050
AGRICULTURAL ENGINEERS	59	221230
AGRICULTURAL, FORESTRY, FISHING	438	700000
AIR DISPATCHERS, AIR TRAFFIC CONTR	241	390020
AIR HAMMER OPERATORS	562	877020
AIR TRANSPORTATION WORKERS	822	977000
AIRCRAFT ASSEMBLERS--PRECISION	756	931020
AIRCRAFT ENGINE SPECIALISTS	492	853260
AIRCRAFT MECHANICS	491	853230
AIRCRAFT PILOTS, FLIGHT ENGINEERS	823	977020
AMUSEMENT, RECREATION ATTENDANTS	427	680140
ANIMAL CARETAKERS--EXCEPT FARM	453	790170
ANNOUNCERS--EX RADIO, TELEVISION	225	340210
ANNOUNCERS--RADIO AND TELEVISION	224	340170
APPRAISERS--REAL ESTATE	253	430110
ARCHITECTS AND SURVEYORS	67	223000
ARCHITECTS--EX LANDSCAPE, MARINE	68	223020
ART, DRAMA, MUSIC TEACHERS	153	312180
ARTISTS AND RELATED WORKERS	230	340350
ASSEMB, FABRICATORS--EX MACH,ELECT	782	939560
ASSEMBLERS AND FABRICATORS--HAND	754	930000
ASSEMBLERS, NEC--PRECISION	762	931970
ASSEMBLERS, PRECISION	755	931000
ASSESSORS	47	219170
ATHLETES, COACHES, UMPS, RELATED	239	340580
ATMOSPHERIC AND SPACE SCIENTISTS	85	241080



# ALPHABETICAL INDEX OF OCCUPATIONS

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
AUDIO-VISUAL SPECIALISTS	171	315080
AUTOMOTIVE BODY, RELATED REPAIRERS	485	853050
AUTOMOTIVE MECHANICS	484	853020
AUXILIARY EQUIP OPERATORS--POWER	782	950230
BAGGAGE PORTERS AND BELLHOPS	430	680230
BAILIFFS	379	630230
BAKERS--BREAD AND PASTRY	396	650210
BAKERS--MANUFACTURING	636	898050
BANKING, SECURITY, FINANCE, CREDIT	275	531000
BARBERS	423	680020
BARTENDERS	391	650050
BICYCLE REPAIRERS	529	859510
BILL AND ACCOUNT COLLECTORS	295	535080
BILLING, COST, AND RATE CLERKS	328	553440
BILLING, POSTING, CALC MACHINE OPS	331	560020
BINDERY MACH SETTERS, SET-UP OPS	708	925250
BINDERY MACHINE OPERATORS	713	925460
BIOLOGICAL SCIENTISTS	91	243080
BIOLOGICAL, AGRI, FOOD TECHS	95	245020
BLASTERS AND EXPLOSIVES WORKERS	577	879050
BOILER OPS, TENDERS--LOW PRESSURE	735	929260
BOILERMAKERS	602	891350
BOOKBINDERS	632	897210
BOOKKEEPING, ACCOUNTING CLERKS	326	553380
BRATTICE BUILDERS	540	871210
BRICK MASONS	544	873020
BRIDGE, LOCK, LIGHTHOUSE TENDERS	825	978020
BROADCAST NEWS ANALYSTS	223	340140
BROADCAST TECHNICIANS	228	340280
BROKERAGE CLERKS	285	531280
BROKERS--REAL ESTATE	251	430050
BUDGET ANALYSTS	30	211170
BUS AND TRUCK MECHANICS	487	853110
BUS DRIVERS	801	971080
BUS DRIVERS--SCHOOL	802	971110
BUTCHERS AND MEAT CUTTERS	397	650230
CABINETMAKERS AND BENCH CARPENTERS	608	893110
CAMERA OPERATORS	627	897130
CAMERA OPS--TV AND MOTION PICTURE	227	340260
CAMERA, PHOTO EQUIP REPAIRERS	519	859140
CANNERY WORKERS	775	939350
CAPTAINS--WATER VESSEL	815	975020
CARDIOLOGY TECHNOLOGISTS	212	329250
CARPENTERS	535	871020
CARPENTERS AND RELATED WORKERS	534	871000
CARPET CUTTERS, DIAGR, SEAMERS	774	939320
CARPET INSTALLERS	558	876020
CARPET, FLOOR INSTALLERS	557	876000
CASHIERS	268	490230
CEILING TILE INSTALLERS	536	871050
CEMENTING, GLUING MACH OPS, TENDERS	745	929560
CENTRAL OFFICE AND PBX INSTALLERS	496	855020
CENTRAL OFFICE OPERATORS	343	571080
CHEM TECHS--EXCEPT HEALTH	96	245050



# ALPHABETICAL INDEX OF OCCUPATIONS

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
CHEMICAL ENGINEERS	56	221140
CHEMICAL EQUIP CONTROLLERS, OPS	738	828350
CHEMICAL EQUIPMENT TENDERS	739	929380
CHEMICAL PLANT, SYSTEM OPERATORS	787	950080
CHEMISTRY TEACHERS	147	312040
CHEMISTS, EXCEPT BIOCHEMISTS	84	241050
CHILD CARE WORKERS	435	680380
CHIROPRACTORS	182	321130
CHOKE SETTERS	443	730050
CIVIL ENGINEERING TECHNICIANS	73	225020
CIVIL ENGINEERS--INCLUDING TRAFFIC	58	221210
CLAIMS EXAMINERS--INSURANCE	48	219210
CLAIMS TAKERS--UNEMP BENEFITS	37	215020
CLEANING, BLDING SERV EX PRIV HOUS	416	670000
CLEANING, BLDING SERV--EX PH, NEC	421	670990
CLEANING, PICKLING EQUIP OPS,TNDRS	746	929580
CLERGY	127	275020
CLERICAL & ADMIN SUP WRKERS, NEC	364	599990
CLERICAL, ADMIN SUPPORT, NEC	363	590000
CLERICAL, ADMINISTRATIVE SUPPORT	272	500000
COIL WINDERS, TAPERS, FINISHERS	766	939080
COIN, VENDING MACHINE SERVICERS	528	859470
COMB MACH TOOL OPS--METAL, PLASTIC	669	915080
COMB MACH TOOL SETTERS--MET, PLAST	668	915050
COMBINED FOOD PREP AND SERVICE	403	650410
COMM EQUIPMENT MECHANICS	495	855000
COMM EQUIPMENT MECHANICS, NEC	501	855990
COMM, TRANS, UTIL OPER MGRS	16	150230
COMMUNICATION EQUIP OPERATORS, NEC	345	571990
COMMUNICATION EQUIPMENT OPERATORS	340	571000
COMMUNICATIONS, MAIL DISTRIBUTION	339	570000
COMPL, ENFORCE INSPECT--EX CONST	45	219110
COMPUTER ENGINEERS	61	221270
COMPUTER OPS--EX PERIPHERAL EQUIP	334	560110
COMPUTER PROGRAMMERS, INCL AIDES	103	251051
COMPUTER SCIENCE TEACHERS	156	312260
COMPUTER SCIENTISTS AND RELATED	101	251000
COMPUTER SCIENTISTS, REL WRKRS,NEC	105	251990
COMPUTER, MATH, OPS RESRCH, RELATE	100	250000
CONCRETE AND TERRAZZO FINISHERS	547	873110
CONST AND BUILDING INSPECTORS	44	219080
CONST TRADES, EXTRACTIVE--HELPERS	854	983000
CONST, EXTRACTIVE--EX HELPERS, NEC	588	879990
CONSTRUCTION MANAGERS	14	150170
CONSTRUCTION TRADES	533	870000
CONSTRUCTION TRADES WORKERS, NEC	574	878990
CONSTRUCTION TRADES, NEC	567	878000
CONTINUOUS MINING MACHINE OPERATOR	584	879410
CONVEYOR OPERATORS AND TENDERS	846	979510
COOKING MACH OPS,TNDRS-FOOD,TOBACC	732	929170
COOKS--INSTITUTION OR CAFETERIA	399	650280
COOKS--RESTAURANT	398	650260
COOKS--SHORT ORDER	401	650350
COOKS--SPECIALTY FAST FOOD	400	650320



# ALPHABETICAL INDEX OF OCCUPATIONS

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
COOLING, FREEZING EQUIP OPS, TNDRS	736	929280
CORRECTION OFFICERS, JAILERS	377	630170
CORRECTIVE, MANUAL ARTS THERAPISTS	189	323110
CORRESPONDENCE CLERKS	319	553170
COST ESTIMATORS	42	219020
COUNTER AND RENTAL CLERKS	266	490170
COUNTER ATTENDANTS--FOOD	395	650170
COURT CLERKS	297	537020
CRANE AND TOWER OPERATORS	844	879440
CREDIT ANALYSTS	26	211050
CREDIT AUTHORIZERS	280	531140
CREDIT CHECKERS	281	531170
CRIMINAL INVESTIGATORS, FEDERAL	381	630280
CROSSING GUARDS	386	630440
CRUSHING, MIXING MACH OPS, TNDRS	748	929650
CURATORS, ARCHIVISTS, AND RELATED	172	315110
CUSTOM TAILORS AND SEWERS	613	895050
CUSTOMER SERVICE REPS--UTILITIES	325	553350
CUT, FORM, FAB, PROC MACH SETTER	692	921870
CUT, FORM, FAB, PROCESS MACH OPS	693	921980
CUT, SLICING MACH SETTERS, SET-UP	740	929410
CUTTERS AND TRIMMERS--HAND	772	939260
CUTTING, SLICING MACH OPS, TNDRS	741	929440
DAIRY PROC EQUIP OPRS--INC SETTERS	737	929320
DANCERS AND CHOREOGRAPHERS	237	340530
DATA ENTRY KEYERS--EX COMPOSING	336	560170
DATA KEYERS--COMPOSING	337	560210
DATA PROCESSING EQUIP REPAIRERS	504	857050
DEMONSTRATORS, PROMOTERS, MODELS	270	490320
DENTAL ASSISTANTS	406	660020
DENTAL HYGIENISTS	206	329080
DENTAL LAB TECHNICIANS, PRECISION	646	899210
DENTISTS	179	321050
DERRICK OPS--OIL, GAS EXTRACTION	580	879140
DESIGNERS, EX INTERIOR AND FLORAL	232	340382
DETAIL DESIGN DECORATORS, PAINTERS	643	899110
DETECTIVES, INVESTIGATORS--EX PUB	383	630350
DIETETIC TECHNICIANS	202	325230
DIETITIANS AND NUTRITIONISTS	201	325210
DINING RM ATTENDANTS, BAR HELPERS	394	650140
DIRECTORS--RELIG ACTIVITIES, EDUC	128	275050
DIRECTORY ASSISTANCE OPERATORS	342	571050
DISPATCH--EX POLICE, FIRE, AMBUL	353	580050
DISPATCH--POLICE, FIRE, AMBULANCE	352	580020
DRAFTERS	77	225140
DRAGLINE OPERATORS	838	979260
DREDGE OPERATORS, DIPPER TENDERS	839	979280
DRILLING MACH SETTER--METAL, PLASTI	654	911080
DRIVER/SALES WORKERS	804	971170
DRYWALL INSTALLERS	537	871080
DUPLICATING MACHINE OPERATORS	332	560050
DYERS, PRECISION	618	895210
EARTH DRILLERS, EXCEPT OIL AND GAS	576	879020
ECONOMISTS--INCL MKT RESRCH ANALYS	116	271020



# ALPHABETICAL INDEX OF OCCUPATIONS

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
EDP AND OFFICE MACHINE OCCUPATIONS	330	560000
EDUCATION ADMINISTRATORS	10	150050
ELEC INSTALLERS--TRANS EQUIPMENT	512	857280
ELECT AND ELECTRONIC ENGINEERS	60	221260
ELECT EQUIP MECHANICS, NEC	513	857990
ELECT HOME ENTERTAINMENT REPAIRERS	505	857080
ELECT METER INSTALLERS, REPAIRERS	518	859110
ELECT MOTOR, AND RELATED REPAIRERS	507	857140
ELECT POWERLINE INSTALLERS	510	857230
ELECT REPAIRERS--COMMERCIAL	508	857170
ELECT, ELECTRONIC ENGINEERING TECH	74	225050
ELECTRICAL EQUIP ASSEMBLERS--PREC	760	931140
ELECTRICAL, ELECTRONIC ASSEMBLERS	765	939050
ELECTRICIANS	542	872020
ELECTRICIANS AND RELATED WORKERS	541	872000
ELECTROCARDIOGRAPH TECHNICIANS	213	329260
ELECTROLYTIC PLATING, MACH OPS	683	919210
ELECTROLYTIC PLATING, MACH SETTER	682	919170
ELECTROMECH EQUIP ASSEMBLERS--PREC	759	931110
ELECTROMED, BIOMEDL EQUIP REPAIRER	517	859080
ELECTRONEURODIAGNOSTIC TECHNOLOGIS	211	329230
ELECTRONIC PAGINATION SYSTEM WKRS	624	897070
ELECTRONIC SEMICONDUCTOR PROCESSOR	727	929020
ELEVATOR INSTALLERS AND REPAIRERS	525	859320
ELEVATOR OPERATORS	420	670110
EMBALMERS	245	390140
EMERGENCY MEDICAL TECHNICIANS	196	325080
EMPL INTERVIEWERS--PRIV OR PUB	39	215080
ENGINEER, MATH, AND NAT SCI MGRS	8	130170
ENGINEERING TEACHERS	154	312220
ENGINEERING, RELATED TECHNICIANS	72	225000
ENGINEERING, RELATED TECHS, NEC	80	225990
ENGINEERS	51	221000
ENGINEERS, ARCHITECTS, SURVEYORS	50	220000
ENGINEERS, NEC	66	221990
ENGLISH, FOREIGN LANGUAGE TEACHERS	152	312160
ENGRAVING, PRINTING WORKERS--HAND	780	939510
ESTIMATORS, DRAFTERS--UTILITIES	78	225170
ETCHERS, ENGRAVERS--PRECISION	600	891280
EXCAVATING, LOADING MACHINE OPS	837	979230
EXTRACTIVE AND RELATED WORKERS	575	879000
EXTRACTIVE WORKERS--EX HELPERS, NE	587	879890
EXTRUDING MACH OPS, TNDRS--SYN/GLAS	718	927080
EXTRUDING MACH SETTERS--METAL, PLAS	662	913110
EXTRUDING, FORMING MACH OPS, TNDRS	750	929710
EXTRUDING, FORMING, SETTERS, SET-U	749	929680
FALLERS AND BUCKERS	442	730020
FARM AND HOME MANAGEMENT ADVISORS	166	313230
FARM EQUIPMENT MECHANICS	490	853210
FARM EQUIPMENT OPERATORS	454	790210
FENCE ERECTORS	573	878170
FILE CLERKS	320	553210
FILM EDITORS	229	340320
FINANCIAL ANALYSTS, STATISTICAL	111	253150



# ALPHABETICAL INDEX OF OCCUPATIONS

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
FINANCIAL MANAGERS	3	130020
FINANCIAL SPECIALISTS, NEC	31	211990
FIRE FIGHTERS	374	630080
FIRE FIGHTING & PREVENTION SUPS	367	610020
FIRE INSPECTORS	372	630020
FIRST-LINE SUP/MGR SERV WKRS, NEC	370	610990
FIRST-LINE SUP/MGR, CLERK, ADM SUP	273	510000
FIRST-LINE SUP/MGR-AG, FOR, FISH	439	720000
FIRST-LINE SUP/MGR-SALES	248	410000
FIRST-LINE SUP/MGR-SERVICE	366	610000
FIRST-LINE SUP/MGR-BLUE COLLAR	459	810000
FIRST-LINE SUP/MGR-BLUE COLLAR NEC	465	810990
FIRST-LINE SUP/MGR-CONSTRUCTION	461	810050
FIRST-LINE SUP/MGR-HELP, LABORERS	464	810170
FIRST-LINE SUP/MGR-MECH, REPAIRERS	460	810020
FIRST-LINE SUP/MGR-PRODUCTION	462	810080
FIRST-LINE SUP/MGR-TRANSPORTATION	463	810110
FIRST-LINE SUPERVISORS - AGRICULTU	440	720020
FISH AND GAME WARDENS	385	630410
FITTERS, STRUCTURAL METAL-PREC	758	931080
FLIGHT ATTENDANTS	431	680260
FLOOR LAYERS-EX CARPET, WOOD, TILES	559	876050
FLOOR SANDING MACHINE OPERATORS	560	876080
FLORAL DESIGNERS	231	340381
FOOD AND TOBACCO WORKERS, NEC	638	898990
FOOD BATCHMAKERS	637	898080
FOOD PREPARATION WORKERS	402	650380
FOOD SERVERS-OUTSIDE	393	650110
FOOD SERVICE MANAGERS	17	150261
FOOD SERVICE WORKERS, NEC	404	650990
FOOD WORKERS, PRECISION	634	898000
FOOD, BEV PREP AND SERVICE OCCS	389	650000
FOREST FIRE INSPECT, PREVENT SPECS	373	630050
FOREST, CONSERVATION WORKERS	448	790020
FORESTERS, CONSERVATION SCIENTISTS	89	243020
FORGING MACH SETTERS-METAL, PLAST	664	913170
FOUNDRY MOLD ASSEMBLY, SHAKEOUT	681	919140
FOUNDRY MOLD, CORE MAKERS, PRECISION	640	899020
FRAME WIRERS, CENTRAL OFFICE	497	855050
FREIGHT, MATERIAL MOVERS-HAND, NEC	868	987990
FREIGHT, STOCK, MAT MOVERS, HAND	865	987000
FUNERAL ATTENDANTS	436	680410
FUNERAL DIRECTORS AND MORTICIANS	244	390110
FURNACE OPERATORS AND TENDERS	688	919350
FURNACE, KILN, KETTLE OPS, TENDERS	734	929230
FURNITURE FINISHERS	609	893140
GARDENERS, GROUNDSKEEPERS-EX FARM	452	790140
GAS COMPRESSOR OPERATORS	836	979210
GAS PLANT OPERATORS	786	950050
GAS PUMPING STATION OPERATORS	835	979170
GAUGERS	790	950170
GEM AND DIAMOND WORKERS	648	899260
GENERAL MANAGERS, TOP EXECUTIVES	20	190050
GENERAL OFFICE CLERKS	329	553470



# ALPHABETICAL INDEX OF OCCUPATIONS

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
GEOLOGIST, GEOPHYS, OCEANOGRAPHERS	86	241110
GLAZIERS	571	878110
GLAZIERS, MANUFACTURING	767	939110
GRADER, DOZER, SCRAPER OPERATORS	842	979380
GRADERS, SORTERS--AG PRODUCTS	451	790110
GRADUATE ASSISTANTS, TEACHING	145	311170
GRINDING MACH SETTER--METAL, PLASTI	656	911140
GRINDING, POLISHING WORKERS--HAND	781	939530
GUARDS AND WATCH GUARDS	387	630470
GUIDES	428	680170
HAIRDRESSERS, HAIRSTYLISTS	424	680050
HAND COMPOSITORS AND TYPESETTERS	621	897020
HAND PACKERS AND PACKAGERS	870	989020
HAND WORKERS, NEC	783	939990
HAND WORKERS--JEWELRY, PRECISION	599	891260
HARD TILE SETTERS	546	873080
HEAD SAWYERS	696	923050
HEALTH CARE MAINTENANCE, TREATING	193	325000
HEALTH CARE PROFS, PARAPROFS, NEC	217	329990
HEALTH DIAGNOSING, TREATING	177	321000
HEALTH DIAGNOSING, TREATING, NEC	184	321990
HEALTH PRACTITIONERS, TECHS, RELAT	176	320000
HEALTH SERVICE WORKERS, NEC	415	660990
HEALTH SERVICE, RELATED OCCS	405	660000
HEALTH SPECIALTIES TEACHERS	151	312120
HEAT TREATING MACH OPS, TENDERS	687	919320
HEATERS, METAL & PLASTIC	689	919380
HEATING EQUIP SETTERS-METAL, PLAST	686	919280
HEATING, AC, REFRIG MECHANICS	515	859020
HELPERS, LABORERS, HAND--EX AG	851	980000
HELPERS--BRICK, STONE MASONS	855	983110
HELPERS--CARPENTERS AND RELATED	856	983120
HELPERS--CONSTRUCTION TRADES, NEC	861	983190
HELPERS--ELECT, POWERLINE INSTALL	857	983130
HELPERS--EXTRACTIVE WORKERS	862	983230
HELPERS--PAINTERS AND RELATED	858	983140
HELPERS--PLUMBERS AND RELATED	859	983150
HELPERS--ROOFERS	860	983160
HIGHWAY MAINTENANCE WORKERS	565	877110
HOIST AND WINCH OPERATORS	843	979410
HOME APPLIANCE AND POWER TOOL REPA	506	857111
HOME HEALTH CARE WORKERS	409	660110
HOSTS, HOSTESSES--RESTAURANTS	390	650020
HOTEL DESK CLERKS	303	538080
HOUSEKEEPING SUPERVISORS	369	610080
HUMAN SERVICES WORKERS	124	273080
INDUST ENGINEERING TECHS	75	225080
INDUST ENGINEERS--EXCEPT SAFETY	62	221280
INDUSTRIAL PRODUCTION MANAGERS	13	150140
INDUSTRIAL TRUCK, TRACTOR OPERATORS	845	979470
INDUSTRY SPECIFIC CLERICAL, ADMIN	274	530000
INS ADJUST, EXAMIN, INVESTIGATORS	287	533020
INSPECTORS, RELATED OCCUPATIONS	466	830000
INSPECTORS, TESTERS, RELATED, NEC	470	830990



# ALPHABETICAL INDEX OF OCCUPATIONS

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
INSPECTORS, TESTERS, & GRADERS, PRECISION	467	830020
INSTALLER & REPAIRER, MOBILE HOME	527	859380
INSTRUCTIONAL AIDES	175	315211
INSTRUCTIONAL COORDINATORS	174	315170
INSTRUCTORS AND COACHES--SPORTS	165	313210
INSTRUCTORS--NON-VOC EDUCATION	164	313170
INSTRUMENT MAKERS, PRECISION	592	891050
INSTRUMENT REPAIRERS, PRECISION	516	859050
INSULATION WORKERS	568	878020
INSURANCE APPRAISERS--AUTO DAMAGE	288	533050
INSURANCE CLAIMS CLERKS	290	533110
INSURANCE EXAMINING CLERKS	289	533080
INSURANCE POLICY PROCESSING CLERKS	291	533140
INSURANCE WORKERS	286	533000
INTERIOR DESIGNERS	233	340410
INTERVIEW CLERKS--EX PERS, WELFARE	324	553320
INVESTIGATIVE, RELATED, EX INSUR	292	535000
INVESTIGATORS--CLERICAL	294	535050
JANITORS, CLEANERS--EXCEPT MAIDS	418	670050
JEWELERS AND SILVERSMITHS	598	891230
JOB PRINTERS	622	897050
JUDGES AND MAGISTRATES	132	281020
LANDSCAPE ARCHITECTS	70	223080
LATHE MACH SETTERS--METAL, PLASTIC	653	911050
LATHERS	539	871140
LAW AND RELATED OCCUPATIONS	130	280000
LAW CLERKS	136	283020
LAWYERS	134	281080
LAWYERS AND RELATED WORKERS	131	281000
LAYOUT WORKERS--METAL, PRECISION	596	891170
LECTURERS	143	311110
LEGAL ASSTS, TECHS, EX CLERICAL	135	283000
LEGAL ASSTS, TECHS--EX CLER, NEC	140	283990
LETTERPRESS SETTERS, SET-UP OPS	703	925150
LIBRARIANS, ARCHIVISTS AND RELATED	168	315000
LIBRARIANS--PROFESSIONAL	169	315020
LIBRARY ASSTS & BOOKMOBILE DRIVERS	305	539020
LICENSE CLERKS	299	537080
LICENSED VOCATIONAL NURSES	195	325050
LIFE SCIENCES TEACHERS	146	312020
LIFE SCIENTISTS	88	243000
LIFE SCIENTISTS, NEC	93	243990
LITHO AND PHOTOENGRAVING WORKERS,	631	897190
LITHOGRAPHY & PHOTOENGRAVING--PREC	625	897080
LNDRY, DRYCLEAN MACH OPS--EX PRESS	724	927260
LOADING MACHINE OPS--MINING	840	979320
LOAN AND CREDIT CLERKS	282	531210
LOAN INTERVIEWERS	279	531110
LOAN OFFICERS AND COUNSELORS	27	211080
LOCKSMITHS AND SAFE REPAIRERS	522	859230
LOCOMOTIVE ENGINEERS	808	973050
LOCOMOTIVE FIRERS	810	973110
LODGING AND TRAVEL WORKERS	300	538000
LODGING MANAGERS	18	150262



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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
LOG GRADERS AND SCALERS	450	790080
LOG HANDLING EQUIPMENT OPERATORS	444	730080
LOGGING TRACTOR OPERATORS	445	730110
LONGSHORE EQUIPMENT OPERATORS	830	979020
MACH BLDR, OTH PREC MACH ASSEMBLER	757	931050
MACH FORMING OPS,TENDRS--MET, PLAS	665	913210
MACH FORMING SETTERS--METAL, PLASTI	658	913000
MACH SETTER,SET-UP,OP--EX MET,PLAS	726	929000
MACH SETTERS, SET-UP, OPS, TENDERS	650	910000
MACH TOOL CUTTING OPS--METAL,PLAST	657	911170
MACH TOOL CUTTING--METAL, PLASTIC	651	911000
MACH TOOL SETTERS, OPS--METAL,PLAS	666	915000
MACHINE ASSEMBLERS	764	939020
MACHINE FEEDERS AND OFFBEARERS	863	985000
MACHINE FEEDERS AND OFFBEARERS, NE	864	985020
MACHINE OPERATORS AND TENDERS, NEC	753	929980
MACHINE SETTERS & SET-UP OPS, NEC	752	929970
MACHINERY AND RELATED MECHANICS	472	851000
MACHINERY MAINT MECHANICS, NEC	478	851190
MACHINERY MAINTENANCE WORKERS	481	851280
MACHINISTS	593	881080
MAIDS AND HOUSEKEEPING CLEANERS	417	670020
MAIL CLKS-EX MAIL MACH OPS, POSTAL	347	573020
MAIL MACH OPS--PREP AND HANDLING	333	560080
MAIL, MESSAGE DISTRIBUTION WORKERS	346	573000
MAIN LINE STATION ENGINEERS	834	979140
MAINT MECHANICS--MARINE EQUIP	475	851160
MAINT MECHANICS--WATER, POWER	477	851180
MAINT REPAIRERS, GENL UTILITY	482	851320
MAINTENANCE MECHANICS--SEWING MACH	474	851130
MAINTENANCE MECHANICS--TEXTILE	473	851120
MANAGEMENT ANALYSTS	43	219050
MANAGEMENT SUPPORT OCCUPATIONS	23	210000
MANAGEMENT SUPPORT WORKERS, NEC	49	219990
MANAGERS AND ADMINISTRATORS, NEC	21	199990
MANICURISTS	425	680080
MARINE ARCHITECTS	69	223050
MARINE ENGINEERS	65	221380
MARKING CLERKS	358	580210
MASONS AND RELATED WORKERS	543	873000
MATERIAL MOVEMENT EQUIP OPERATORS	829	979000
MATERIAL MOVING EQUIP OPS, NEC	849	979890
MATERIAL RECORDING, DISPATCHING	351	580000
MATERIAL RECORDING, RELATED, NEC	362	580990
MATES--SHIP, BOAT, AND BARGE	816	975050
MATH SCIENTISTS AND RELATED	106	253000
MATHEMATICAL SCIENCES TEACHERS	155	312240
MATHEMATICAL SCIENTISTS	108	253100
MATHEMATICAL SCIENTISTS, NEC	112	253190
MATHEMATICAL TECHNICIANS	113	253230
MEAT, POULTRY, FISH CUTTERS--HAND	776	939380
MECH CONTROL, VALVE INSTALLERS	524	859280
MECHANIC AND REPAIRER HELPERS	852	981000
MECHANIC AND REPAIRER HELPERS, NEC	853	981020



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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
MECHANICAL ENGINEERING TECHS	76	225110
MECHANICAL ENGINEERS	64	221350
MECHANICS, INSTALLERS, REPAIRERS	471	850000
MECHANICS, NEC	484	853990
MECHS, INSTALLERS, REPAIRERS, NEC	532	859990
MED, CLINICAL LAB ASSISTANTS	205	329050
MED, CLINICAL LAB TECHNOLOGISTS	204	329020
MEDICAL APPLIANCE MAKERS	647	899230
MEDICAL ASSISTANTS	407	660050
MEDICAL RECORDS TECHNICIANS	207	329110
MEDICAL SCIENTISTS	92	243110
MEDICINE, HEALTH SERVICES MGRS	11	150080
MENDERS, GARMENTS AND LINENS	531	859560
MERCH DISPLAYERS, WINDOW TRIMMERS	234	340440
MERCH, PRODUCTS AND OTHER SALES	259	490000
MESSENGERS	350	573110
METAL FABRICATING MACH SETTERS, OPS	670	917000
METAL FABRICATOR, STRUCT MET PRODS	675	917140
METAL MOLDING MACH OPS AND TENDERS	680	919110
METAL MOLDING, MACH SETTER, SET-UP	679	919080
METAL POURERS, CASTERS--BASIC	777	939410
METAL WORKERS, NEC--PRECISION	603	891990
METAL WORKERS, PRECISION	590	891000
METAL, PLAST MACH SETTERS, OPS NEC	691	921000
METAL, PLAST PROCESS MACH SETTERS	676	919000
METALLURGISTS, RELATED ENGINEERS	53	221050
METER READERS--UTILITIES	356	580140
MGRS AND ADMIN OCCUPATIONS	2	100000
MILLING MACH SETTERS--METAL, PLASTI	655	911110
MILLWRIGHTS	479	851230
MINE CUTTING, CHANNELING MACH OPS	585	879430
MINING ENGINEERS--INCL MINE SAFETY	54	221080
MINING MACHINE OPERATORS, NEC	586	879490
MINING, OIL AND GAS, RELATED MGRS	15	150210
MISC AG, FORESTRY, FISHING	447	790000
MISC HELPERS, LABORERS--HAND	869	989000
MISC HELPERS, LABORERS--HAND, NEC	872	989990
MISC INDUSTRY SPECIFIC CLERICAL	304	539000
MISC MECH, INSTALLERS, REPAIRERS	514	859000
MISC METAL, PLAST MACH SETTERS OPS	690	919990
MISC PERSONAL SERVICE OCCUPATIONS	422	680000
MISC PROFS, PARAPROFS, TECHNICAL	240	390000
MISC SECRETARIAL, GENL OFF OCCS	314	553000
MISC SERVICE WORKERS	437	690000
MISC TRANSPORTATION WORKERS	824	978000
MKTNG, ADV, PUB-REL MANAGERS	6	130110
MOBILE EQUIP MECHANICS, REPAIRERS	483	853000
MOBILE HEAVY EQUIP MECH--EX ENGINE	488	853140
MOLDERS AND CASTERS--HAND	778	939440
MOLDERS, SHAPERS--EX JEWELER	641	899050
MOTION PICTURE PROJECTIONISTS	728	929050
MOTOR VEHICLE OPERATORS	798	971000
MOTOR VEHICLE OPERATORS, NEC	805	971990
MOTORBOAT OPERATORS	818	975110



# ALPHABETICAL INDEX OF OCCUPATIONS

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
MOTORCYCLE REPAIRERS	486	853080
MUNICIPAL CLERKS	298	537050
MUNICIPAL WORKERS	296	537000
MUSIC DIRECTORS, SINGERS, COMPOSERS	235	340470
MUSICAL INST REPAIRERS AND TUNERS	521	859210
MUSICIANS--INSTRUMENTAL	236	340510
NAT SCIENTISTS AND RELATED WORKERS	81	240000
NC TOOL, PROCESS PROGRAMMERS	104	251110
NEW ACCOUNTS CLERKS	277	531050
NONELECTROL PLATING MACH-OPS	685	919260
NONELECTROL PLATING MACH-SETTERS	684	919230
NUCLEAR ENGINEERS	57	221170
NUCLEAR MEDICINE TECHNOLOGISTS	208	329140
NUCLEAR TECHNICIANS	97	245080
NUMERICAL MACH TOOL OPS--MET, PLAS	667	915020
NURSE AIDES, ORDERLIES, ATTENDANTS	408	660080
NURSERY WORKERS	449	790050
NURSING INSTRUCTORS	144	311140
OCCUPATIONAL THERAPISTS	187	323050
OCCUPATIONAL THERAPY ASSISTANTS	414	660210
OCCUPATIONS NOT CLASSIFIED	873	
OFF MACH, CASH REGISTER SERVICERS	523	859260
OFFICE MACHINE OPERATORS, NEC	338	560990
OFFSET LITHOGRAPHIC PRESS SETTERS	702	925120
OIL PUMPERS--EXCEPT WELL HEAD	832	979080
OPERATING ENGINEERS	848	979560
OPS, SYS RESEARCHERS--EX COMPUTER	107	253020
OPTICAL GOODS WORKERS, PRECISION	645	899170
OPTICIANS--DISPENSING, MEASURING	198	325140
OPTOMETRISTS	180	321080
ORDER CLERKS--MATERIALS, SERVICE	321	553230
ORDER FILLERS--WHLE & RET SALES	360	580260
ORDINARY SEAMEN AND MARINE OILERS	820	975170
OTH SOCIAL SCIENCE RELATED WORKERS	120	273000
OTHER AG, FORESTRY, FISHING	455	790990
OTHER ELECTRICAL EQUIP MECHANICS	502	857000
OTHER HAND WORKERS	763	939000
OTHER HEALTH PROFS, PARAPROFS	203	329000
OTHER MANAGEMENT SUPPORT WORKERS	41	219000
OTHER PRECISION WORKERS	639	899000
OTHER PROF, PARAPROF, TECHNICAL	246	399990
OTHER TEACHERS AND INSTRUCTORS	158	313000
PACKAGING, FILLING MACH OPS, TNDRS	751	929740
PAINT, COAT & SPRAY MACH SETTERS	743	929510
PAINTERS AND RELATED WORKERS	550	874000
PAINTERS, PAPERHANGERS--CONST	551	874020
PAINTERS, TRANSPORTATION EQUIP	742	929470
PAINTING, COATING, DECORATING--HAN	779	939470
PAINTING, REL MACH OPS, TENDERS	744	929530
PAPER GOODS MACH SETTERS, SET-UP OP	731	929140
PARALEGAL PERSONNEL	137	283050
PARKING ENFORCEMENT OFFICERS	378	630210
PARKING LOT ATTENDANTS	827	978080
PASTE UP WORKERS	623	897060



# ALPHABETICAL INDEX OF OCCUPATIONS

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
PATTERN AND MODEL MAKERS--METAL	595	891140
PATTERN AND MODEL MAKERS--WOOD	605	893020
PATTERN MARKERS--WOOD	606	893050
PATTERNMAKERS AND LAYOUT WORKERS	612	895020
PATTERNMAKERS, MODEL MAKERS, LAYOU	642	899080
PAVING, TAMPING-EQUIP OPERATORS	564	877080
PAYROLL AND TIMEKEEPING CLERKS	327	553410
PERIPHERAL EDP EQUIPMENT OPERATORS	335	560140
PERS CLERKS--EX PAYROLL	318	553140
PERS, TRAINING, LAB-REL SPECS	36	215000
PERS, TRAINING, LAB-REL SPECS, NEC	40	215110
PERS, TRAINING, LABOR-REL MGRS	4	130050
PERSONAL AND HOME CARE AIDES	434	680350
PEST CONTROLLERS AND ASSISTANTS	419	670080
PETRO REFINERY, CONTROL PANEL OPS	789	950140
PETROLEUM ENGINEERS	55	221110
PETROLEUM PUMP SYSTEM OPERATORS	788	950110
PETROLEUM TECHNICIANS	98	245110
PHARMACISTS	199	325170
PHARMACY TECHNICIANS	200	325181
PHOTOENGRAVERS	626	897120
PHOTOENGRAVING, LITHO MACH OPS	712	925450
PHOTOENGRAVING, LITHO PHOTOGRAPHER	705	925210
PHOTOGRAPHERS	226	340230
PHOTOGRAPHIC PROC MACH OPS,TNDRS	729	929080
PHOTOGRAPHIC PROCESS WKR,PRECISION	644	899140
PHYSICAL SCIENCE TEACHERS, NEC	149	312090
PHYSICAL SCIENTISTS	82	241000
PHYSICAL SCIENTISTS, NEC	87	241990
PHYSICAL THERAPIST ASSISTANTS	412	660171
PHYSICAL THERAPISTS	188	323080
PHYSICAL THERAPY AIDES	413	660172
PHYSICAL THERAPY ASSISTANTS & AIDE	411	660170
PHYSICAL, LIFE SCIENCE TECHS	94	245000
PHYSICAL, LIFE SCIENCE TECHS, NEC	99	245990
PHYSICIAN'S ASSISTANTS	197	325110
PHYSICIANS AND SURGEONS	178	321020
PHYSICISTS AND ASTRONOMERS	83	241020
PHYSICS TEACHERS	148	312060
PILE DRIVING OPERATORS	563	877050
PILOTS--SHIP	817	975080
PIPELAYERS	555	875080
PIPELAYING FITTERS	554	875050
PLANT AND SYSTEM OCCUPATIONS	784	950000
PLANT AND SYSTEM OPERATORS, NEC	796	950990
PLAST MOLDING, CASTING MACH SETTER	677	919020
PLASTERERS AND STUCCO MASONS	549	873170
PLASTIC MOLDING, CASTING MACH OPS	678	919050
PLATEMAKERS	630	897180
PLUMBERS AND RELATED WORKERS	552	875000
PLUMBERS, PIPEFITTERS, STEAMFITTER	553	875020
PODIATRISTS	181	321110
POLICE AND DETECTIVE SUPERVISORS	368	610050
POLICE DETECTIVES	375	630110



# ALPHABETICAL INDEX OF OCCUPATIONS

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
POLICE PATROL OFFICERS	376	630140
PORTABLE MACHINE CUTTERS	773	839280
POST-SECONDARY TEACHERS	142	311000
POSTAL MAIL CARRIERS	348	573050
POSTAL SERVICE CLERKS	349	573080
POSTMASTERS, MAIL SUPERINTENDENTS	9	150020
POSTSECONDARY TEACHERS, NEC	157	312990
POWER DISTRIBUTORS AND DISPATCHERS	794	950280
POWER PLANT OPS--EX AUXILIARY EQUI	791	950210
POWER REACTOR OPERATORS	793	950260
POWERHOUSE, RELATED ELECTRICIANS	509	857210
PRESS MACH SETTERS--METAL, PLASTIC	660	913050
PRESSERS--DELICATE FABRICS	617	895170
PRESSERS--HAND	770	939210
PRESSING MACH OPS--TEXTILE, GARMEN	725	927280
PRINT PRESS SETTERS, SET-UP OPS	701	925100
PRINT PRESS SETTERS, SET-UP OPS NE	704	925190
PRINT REL SETTERS, SET-UP OPS, NEC	709	925290
PRINT, BINDING, REL MACH OPS, TNDR	714	925480
PRINTING PRESS MACHINE OPS, TENDER	711	925430
PRINTING WORKERS, NEC--PRECISION	633	897990
PRINTING WORKERS, PRECISION	620	897000
PRINTING, BINDING, RELATED WORKERS	700	925000
PROCUREMENT CLERKS	322	553260
PROD INSPECTORS, TESTERS, & GRADER	468	830050
PROD, CONST, OPER, MAT HANDLING	458	800000
PROD, PLANNING, EXPEDITING CLERKS	354	580080
PRODUCERS, DIRECTORS, ACTORS	238	340560
PRODUCTION OCCUPATIONS, PRECISION	589	890000
PROFESSIONAL, PARAPROF, TECHNICAL	22	200000
PROOFREADERS AND COPY MARKERS	307	539110
PROPERTY AND REAL ESTATE MANAGERS	12	150110
PROTECTIVE SERVICE OCCUPATIONS	371	630000
PROTECTIVE SERVICE WORKERS, NEC	388	630990
PSYCHIATRIC AIDES	410	660140
PSYCHIATRIC TECHNICIANS	215	329310
PSYCHOLOGISTS	118	271080
PUB ADMIN CHIEF EXECS, LEGISLATORS	19	190020
PUB REL SPECS, PUBLICITY WRITERS	221	340080
PUMP OPERATORS	847	979530
PUNCH MACH SETTERS--METAL, PLASTIC	659	913020
PURCH AGTS AND BUYERS--FARM PRODS	34	213050
PURCH AGTS--EX WHLE,RET,FARM PRODS	35	213080
PURCHASING AGENTS AND BUYERS	32	213000
PURCHASING MANAGERS	5	130080
RADIO MECHANICS	500	855140
RADIO OPERATORS	243	390080
RADIOLOGIC TECHNOLOGIST,DIAGNOSTIC	210	329210
RADIOLOGIC TECHNOLOGIST,THERAPEUT	209	329170
RAIL CAR REPAIRERS	489	853170
RAIL TRANSPORTATION WORKERS	806	973000
RAIL VEHICLE OPERATIVES, NEC	813	973990
RAIL YARD ENGINEERS AND RELATED	809	973080
RAIL-TRACK LAYING, MAINT EQUIP OPS	566	877140



# ALPHABETICAL INDEX OF OCCUPATIONS

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
RAILROAD BRAKE, SIGNAL, SWITCH OPS	812	973170
RAILROAD CONDUCTORS, YARDMASTERS	807	973020
RAILROAD, TRANSIT POLICE, SPEC AGTS	384	630380
REAL ESTATE CLERKS	308	539140
RECEPTIONISTS, INFORMATION CLERKS	316	553050
RECREATION WORKERS	125	273110
RECREATIONAL THERAPISTS	191	323170
REFRACTORY MATERIALS REPAIRERS	480	851260
REFUSE COLLECTORS	867	987050
REGISTERED NURSES	194	325020
REINFORCING METAL WORKERS	548	873140
RELIGIOUS WORKERS	126	275000
RELIGIOUS WORKERS, NEC	129	275990
REPORTERS AND CORRESPONDENTS	222	340110
RESERVATION, TRANS TICKET AGENTS	302	538050
RESIDENTIAL COUNSELORS	123	273070
RESPIRATORY CARE PRACTITIONERS	186	323020
RIGGERS	526	859350
ROASTING, BAKING MACH OPS-FOOD	733	929210
ROCK SPLITTERS, QUARRY	578	879080
ROLLING MACH SETTERS-METAL, PLAST	663	913140
ROOF BOLTERS	583	879230
ROOFERS	570	878080
ROTARY DRILL OPS-OIL, GAS EXTRACT	579	879110
ROUSTABOUTS	582	879210
SAFETY ENGINEERS-EXCEPT MINING	63	221320
SALES AGENTS, PLACERS-INSURANCE	250	430020
SALES AGENTS-ADVERTISING	257	430230
SALES AGENTS-FINANCIAL SERVICES	254	430140
SALES AGENTS-REAL ESTATE	252	430080
SALES AGENTS-SEL BUS SERVICES	255	430170
SALES AGENTS-SERVICE	249	430000
SALES AND RELATED OCCUPATIONS	247	400000
SALES AND RELATED WORKERS, NEC	271	499990
SALES ENGINEERS	260	490020
SALES REPS, NON-SCIENTIFIC EX RET	262	490080
SALES REPS, SCIENTIFIC-EX RETAIL	261	490050
SALES REPS, SERVICE-NEC	258	430990
SALESPERSONS - RETAIL(NON-VEHICLE)	264	490112
SALESPERSONS-PARTS	265	490140
SAW MACH TOOL SETTERS-METAL, PLAST	652	911020
SAWING MACH OPS AND TENDERS	697	923080
SAWING MACH SETTERS, SET-UP OPS	695	923020
SCANNER OPERATORS	628	897150
SCREEN PRINT MACH SETTERS, SET-UP	707	925240
SECRETARIAL, GENERAL OFFICE OCCS	309	550000
SECRETARIES	310	551000
SECRETARIES, GENERAL	313	551080
SECRETARIES, LEGAL	311	551020
SECRETARIES, MEDICAL	312	551050
SELECTED ROAD, RAIL AND RELATED	561	877000
SEPARATING, STILL MACH OPS, TNDRS	747	929620
SEPTIC TANK, SEWER PIPE SERVICERS	556	875110
SERVICE OCCUPATIONS	365	600000



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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
SERVICE STATION ATTENDANTS	826	978050
SERVICE UNIT OPERATORS	581	879170
SEWERS--HAND	771	939230
SEWING MACHINE OPERATORS--GARMENT	721	927170
SEWING MACHINE OPS--NON-GARMENT	722	927210
SHAMPOOERS	426	680110
SHEAR MACH SETTERS--METAL, PLASTIC	661	913080
SHEET METAL DUCT INSTALLERS	569	878050
SHEET METAL WORKERS	601	891320
SHERIFFS AND DEPUTY SHERIFFS	382	630320
SHIP ENGINEERS	821	975210
SHIPFITTERS	597	891210
SHOE AND LEATHER WKRS--PRECISION	615	895110
SHOE SEWING MACHINE OPS, TENDERS	723	927230
SHUTTLE CAR OPERATORS	841	979350
SIGNAL OR TRACK SWITCH MAINTAINERS	499	855110
SLAUGHTERERS AND BUTCHERS	635	898020
SMALL ENGINE SPECIALISTS	493	853280
SOCIAL SCI, RECREATION, RELIGIOUS	114	270000
SOCIAL SCI--INCL URBAN, REG PLNERS	115	271000
SOCIAL SCIENCE TEACHERS	150	312100
SOCIAL SCIENTISTS, NEC	119	271990
SOCIAL WKRS--EX MED, PSYCHIATRIC	122	273050
SOCIAL WORKERS--MED, PSYCHIATRIC	121	273020
SOLDERERS AND BRAZERS	769	939170
SOLDERING, BRAZING MACH OPS, TENDRS	674	917110
SOLDERING, BRAZING MACH SETTERS	673	917080
SPEC MATERL PRINTING MACH SETTERS	706	925220
SPECIAL AGENTS--INSURANCE	38	215050
SPEECH PATHOLOGISTS, AUDIOLOGISTS	190	323140
SPOTTERS--DRY CLEANING	616	895140
STATEMENT CLERKS	284	531260
STATION INSTALLERS--TELEPHONE	511	857260
STATIONARY ENGINEERS	795	950320
STATISTICAL CLERKS	323	553280
STATISTICIANS	109	253120
STENOGRAPHERS	315	553020
STEVEDORES--EX EQUIPMENT OPERATORS	866	987020
STOCK CLERKS--SALES FLOOR	267	490210
STOCK CLERKS--STOCKROOM, WAREHOUSE	359	580230
STONE MASONS	545	873050
STRIPPERS	629	897170
STRUCTURAL METAL WORKERS	572	878140
SUBWAY AND STREETCAR OPERATORS	811	973140
SURGICAL TECHNICIANS	214	329280
SURVEYING AND MAPPING SCIENTISTS	71	223110
SURVEYING AND MAPPING TECHS	79	225210
SWITCHBOARD OPERATORS	341	571020
SYSTEMS ANALYSTS--ELEC DATA PROC	102	251020
TANK CAR AND TRUCK LOADERS	831	979050
TAPERS	538	871110
TAX EXAMINERS, COLLECT, REV AGENTS	46	219140
TAX PREPARERS	28	211110
TAXI DRIVERS AND CHAUFFEURS	803	971140



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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
TEACHERS AND INSTRUCTORS, NEC	167	313990
TEACHERS, EDUCATORS, LIBRARIANS	141	310000
TEACHERS, PRESCHOOL & KINDERGARTEN	159	313020
TEACHERS—ELEMENTARY SCHOOL	160	313050
TEACHERS—SECONDARY SCHOOL	161	313080
TEACHERS—SPECIAL EDUCATION	162	313110
TEACHERS—VOC ED AND TRAINING	163	313140
TECHNICAL ASSISTANTS—LIBRARY	170	315050
TECHNICAL WRITERS	220	340050
TELEGRAPH AND TELETYPE OPERATORS	344	571110
TELEGRAPH, TELETYPE INSTALLERS	498	855080
TELEMARKETERS, SOLICITORS & RELATE	269	490260
TELEPHONE, CABLE TV INSTALLERS	503	857020
TELLERS	276	531020
TEXT, APPAREL, FURNISHINGS, NEC—PREC	619	895990
TEXTILE BLEACHING, DYEING MACH OPS	720	927140
TEXTILE DRAW-OUT MACH OPS, TNDRS	719	927110
TEXTILE MACH SETTERS, SET-UP OPS	716	927020
TEXTILE OPS, TNDRS—WIND, TWIST, KNIT	717	927050
TEXTILE, APPAREL, FURNISHINGS, PREC	611	895000
TEXTILE, RELATED SETTERS, OPS	715	927000
THERAPISTS	185	323000
THERAPISTS, NEC	192	323990
TIMBER CUTTING AND LOGGING	441	730000
TIMBER CUTTING AND RELATED, NEC	446	730990
TIRE BUILDING MACHINE OPERATORS	730	929110
TIRE REPAIRERS AND CHANGERS	530	859530
TITLE EXAMINERS AND ABSTRACTORS	139	283110
TITLE SEARCHERS	138	283080
TOOL AND DIE MAKERS	591	891020
TOOL GRINDERS, FILERS, SHARPENERS	594	891110
TRAFFIC TECHNICIANS	242	390050
TRAFFIC, SHIPPING, RECEIVING CLKS	361	580280
TRANS AND RELATED WORKERS, NEC	828	978990
TRANS ATTENDANTS—EX FLIGHT	432	680280
TRANS, MAT MOVING EQUIP OPS, NEC	850	979990
TRANS, MATERIAL MOVING MACHINE OPS	797	970000
TRANSIT CLERKS	278	531080
TRANSPORTATION AGENTS	355	580110
TRANSPORTATION INSPECTORS	469	830080
TRAVEL AGENTS	256	430210
TRAVEL CLERKS	301	538020
TRUCK DRIVERS, HEAVY	799	971020
TRUCK DRIVERS, LIGHT	800	971050
TYPESETTING, COMPOSING MACH OPS	710	925410
TYPISTS, INCLUDING WORD PROCESSING	317	553070
U.S. MARSHALLS	380	630260
UNDERGROUND MINE MACH MECHANICS	476	851170
UNDERWRITERS	25	211020
UPHOLSTERERS	614	895080
URBAN AND REGIONAL PLANNERS	117	271050
USHERS, LOBBY ATTENDANTS	429	680210
VEHICLE SALESPERSONS - RETAIL	263	490111
VEHICLE WASHERS, EQUIP CLEANERS	871	989050



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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
VETERINARY ASSISTANTS	456	798060
VETERINARY TECHNICIANS	216	329510
VETS AND VETERINARY INSPECTORS	183	321140
VOCATIONAL & EDUCATIONAL COUNSELOR	173	315140
WAITERS AND WAITRESSES	392	650080
WARDROBE ATTENDANTS	433	680320
WATCH ASSEMBLERS, REL--PRECISION	761	931170
WATCHMAKERS	520	859170
WATER TRANSPORTATION WORKERS	814	875000
WATER TREATMENT PLANT OPERATORS	785	950020
WEIGHERS, MEASURERS--RECORDKEEPING	357	580170
WELDERS AND CUTTERS	768	939140
WELDING MACH OPERATORS AND TENDERS	672	917050
WELDING MACH SETTERS, SET-UP OPS	671	917020
WELFARE ELIG WORKERS, INTERVIEWERS	293	535020
WELL HEAD PUMPERS	833	979110
WHLE AND RET BUYERS--EX FARM PRODS	33	213020
WOOD MACHINISTS	607	893080
WOODWORK MACH OPS,TNDRS--EX SAWING	699	923140
WOODWORK MACH SETTERS--EX SAWING	698	923110
WOODWORKERS, NEC--PRECISION	610	893990
WOODWORKERS, PRECISION	604	893000
WOODWORKING MACH SETTERS, OPS	694	923000
WORKERS, PRECISION--NEC	649	899990
WRITERS AND EDITORS	219	340020
WRITERS, ARTISTS, ENTER, ATHLETES	218	340000





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